



The CHEMIST AND DRUGGIST

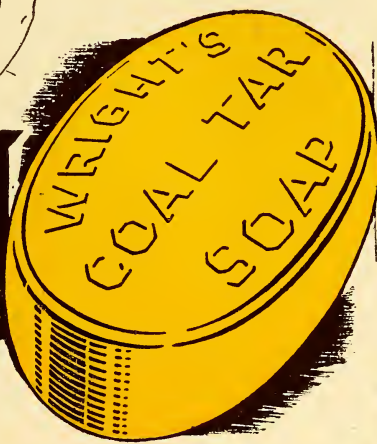
for RETAILER - WHOLESALE - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3304 XXXIX JUNE 5, 1943 Annual Subscription (with Diary) 25/-, Single Copies 9d.



Many 'hands' make more work - for this family favourite



National service is finding unaccustomed work for many hands and creating a new demand for the antiseptic cleansing properties of Wright's Coal Tar Soap. Never in all its 75 years of usefulness has Wright's been so widely in demand in the factories as well as the homes of Britain.

WRIGHT'S Coal Tar Soap

UNSURPASSED FOR PURITY, QUALITY AND MERIT FOR OVER 75 YEARS
WRIGHT, LAYMAN & UMNEY LTD., SOUTHWARK, LONDON, S.E.1



Parke, Davis & Co.

ask for the indulgence
of pharmacists towards
the firm's endeavours
to secure, on the . . .
basis of their customers'
1939 orders, a fair . . .
distribution of . . .
their own officially
restricted stocks . . .



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Inc. U.S.A. Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line



ONE SHILLING AND SIXPENCE PROFIT ON EVERY SALE

'Elasto' Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your door. An 'Elasto' showcard displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for: Varicose Veins, Bad Leg, Piles, Heart Troubles, Rheumatism, Bad Circulation, etc. 'Elasto' is a simple, easy to handle and reliable.

**NEW REDUCED
PRICES:**

Retail Price 5/- per pkt.
* Including purchase tax.

Wholesale 42/- per doz.
* Including purchase tax.

A FEW SHOW CARDS STILL AVAILABLE

PATA

the NEW ERA TREATMENT CO. LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

WANT RAZOR BLADES *GET MULTISHAVES*

The Solution to the RAZOR BLADE SHORTAGE

Progressive Chemists who value their customers' confidence recommend the Multishave Safety Razor Blade Sharpener — the guaranteed sharpener that makes double-edged blades give many extra smooth shaves.

The sharpening agent used in the Multishave is the finest, fastest cutting abrasive known.

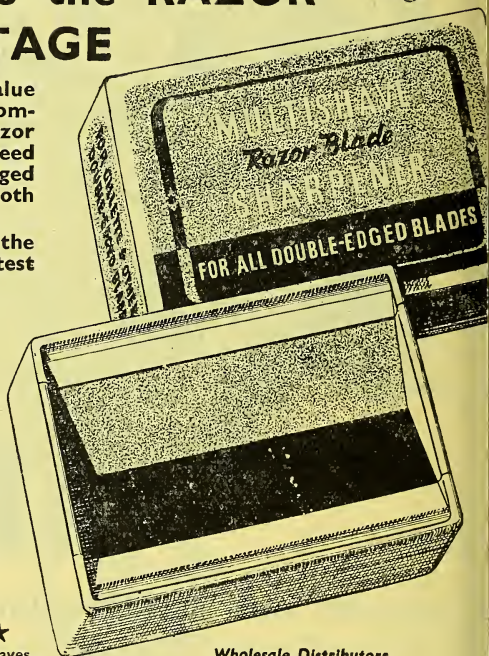
The bluntest blade, even if it has been stropped or rubbed on a tumbler until it is beyond hope, can be given a new edge in ten seconds with the Multishave.

It is ideal for men in the Forces, and is a thoughtful gift.

Your customers must shave. If you are short of blades, sell Multishaves. You make fourpence-halfpenny profit on each Multishave outfit. Retail price 1/6, including purchase tax. Trade price 6/8 per dozen, plus 6/8 purchase tax. Packed three dozen to a carton, complete with smart showcards.

★ SPECIAL OFFER ★

To create a large sale immediately for Multishaves in your district, to your advantage, in consideration of your order for 12 cartons each 3 doz. Multishave Safety Razor Blade Sharpeners **YOU GET FREE OF CHARGE** 13 weekly advertisements in your local evening or weekly newspaper, mentioning your name only as Multishave stockists. This advertising sells many Multishaves for you.



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Sangers, Ltd., London, N.W.1.
May, Roberts & Co., Ltd., London.
Brooks & Warburton, Ltd., London, S.W.1.
Southall Bros. & Barclay (1931), Ltd., Birmingham.
Goodalls (Leeds), Ltd.
John Thompson (Wholesale Druggists, 1921), Ltd., Liver
The Chemists' Supply Co., Ltd., Bournemouth.
Francis Newbery & Sons, Cardiff.

ORDER MULTISHAVE OUTFITS FROM YOUR WHOLESALE
or send direct to

MULTISHAVE Limited, Fortress Grove, LONDON, N.W.

Telephone: GULLIVER 1467

Crookes'

HALIBUT LIVER OIL

New Standard Bonus Parcels

The "mixed" parcels previously supplied have been abandoned in favour of "straight dozens" of the various packings of both oil and capsules. This will obviate the stock difficulties associated with the "mixed" orders in last year's offer and will greatly facilitate despatch and transport.

Owing to supply difficulties the "25 capsules" pack has been entirely discontinued but the "100 capsules" pack is again available. The "oil" packs remain as formerly.

We must RESERVE THE RIGHT to restrict the number of parcels supplied to any one establishment and thereby, as far as possible, ensure fair distribution.

TERMS OF SUPPLY:

- 1 Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M are ordered.
- 2 The order must be accompanied by cash. No pro-forma invoices can be issued.
- 3 Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind.
- 4 Bonus in kind cannot be allowed on any other Halibut Oil Products.



CROOKES' HALIBUT LIVER OIL Standard Parcels of Drops or Capsules only

| PARCEL | DOZEN | Bonus | Sell | £ s. d. |
|--------------------|----------------------------|-------|------|-----------|
| PARCEL G = 1 DOZEN | 12 x 15 c.c. 5/- Drops | 1 | 5/- | 3 0 0 |
| | Less 25% | | | 15 0 |
| | " 10% | | | 2 5 0 |
| | *Amount of cash with order | | | 4 6 |
| | | | | *£2 0 6 |
| PARCEL H = 3 DOZEN | 36 x 5 c.c. 2/- Drops | 3 | 2/- | 3 12 0 |
| | Less 25% | | | 18 0 |
| | " 10% | | | 2 14 0 |
| | *Amount of cash with order | | | 5 5 |
| | | | | *£2 8 7 |
| PARCEL J = 1 DOZEN | 12 x 30 c.c. 9/- Drops | 1 | 9/- | 5 8 0 |
| | Less 25% | | | 1 7 0 |
| | " 10% | | | 4 1 0 |
| | *Amount of cash with order | | | 8 1 |
| | | | | *£3 12 11 |
| PARCEL K = 6 DOZEN | 72 x 5 c.c. 2/- Drops | 12 | 2/- | 7 4 0 |
| | Less 25% | | | 1 16 0 |
| | " 10% | | | 5 8 0 |
| | *Amount of cash with order | | | 10 10 |
| | | | | *£4 17 2 |
| PARCEL L = 1 DOZEN | 12 x 100 Capsules | 1 | 8/6 | 5 2 0 |
| | Less 25% | | | 1 5 6 |
| | " 10% | | | 3 16 6 |
| | *Amount of cash with order | | | 7 8 |
| | | | | *£3 8 10 |
| PARCEL M = 3 DOZEN | 36 x 100 Capsules | 3 | 8/6 | 15 6 0 |
| | Less 25% | | | 3 16 6 |
| | " 10% | | | 11 9 6 |
| | *Amount of cash with order | | | 1 3 0 |
| | | | | *£10 6 6 |

THE CROOKES LABORATORIES (British Colloids Ltd.) PARK ROYAL, LONDON, N.W.10
Telephone: Willesden 6313 (5 lines)

Telegrams: Colloids, Harles, London

GOVERNMENT ORDER (S.R. & O. 1366)

REVISED PACKING FOR BOB MARTIN'S

CONDITION POWDER TABLETS

The number of sizes in which pre-packed goods can be sent out, and the quantity in each size, is limited by the provisions of the above order. In the case of tablets for veterinary use the second size must be at least four times as big as the smallest. Accordingly, Bob Martin's Condition Powder Tablets will be packed in 9's and 36's only.

The new 36-tablet size retails at

1/11. This gives the purchaser the same ratio of value as the previous 1/1½ packet (containing 21 tablets which is now deleted from the range). To avoid delay, orders received after May 17 will be filled with the new 1/11 carton to approximately the same value as the 1/1½ size ordered. We regret that owing to paper restrictions we have been unable to give the Trade full notice of the change.



BOB MARTIN LTD., SOUTHPORT, LANCs.

ESTABLISHED 1878
FOR
LABELS
CARTONS
ENVELOPES
AND EVERY DESCRIPTION
of
MEDICAL PRINTING
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ALF. HARRISON & SONS, LTD.
THE CHEMISTS' PRINTERS
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LEEDS, 4

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The Natural Calcium Compound

'Calfos,' which is derived from natural sources, supplies calcium and phosphorus in a palatable, concentrated form which ensures absorption in the correct physiological ratio.

*Widely advertised to
the medical profession*

CALFOS LTD.
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 KINGSWAY, W.C.2

Temple Bar 3629

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| | Face Price Exclusive of Tax | TRADE PRICE per dozen | Purchase Tax per dozen | Minimum Retail Price including Pur. Tax |
|--------------------|--------------------------------------|--------------------------------|---------------------------------|--|
| Box of 50 tablets | 2/6 | 20/- | 3/4 | 2/9½ |
| Box of 120 tablets | 4/9 | 38/- | 6/4 | 5/3½ |

Special terms are available for hospital packs

DISPLAY CARD ON REQUEST

ST. 2

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 Wholesale per doz. 40/-; Plus Purchase Tax 6/8 per doz.
 Box of 12 x 5 c.c. ampoules; Retail 18/4.
 Wholesale per doz. 132/-; Plus Purchase Tax 22/- per doz.

A product of

THE BRITISH DRUG HOUSES, LTD., LONDON, N



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public associates
with Quality
after 32 years of
trial



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Chemists will be glad to hear that we can offer immediate delivery of limited reasonable quantities of Pilenta Toilet Soap.

This de luxe Soap has always held a high place in the regard of the discriminating.

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(Both on the **PATA** List)

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after-shaving
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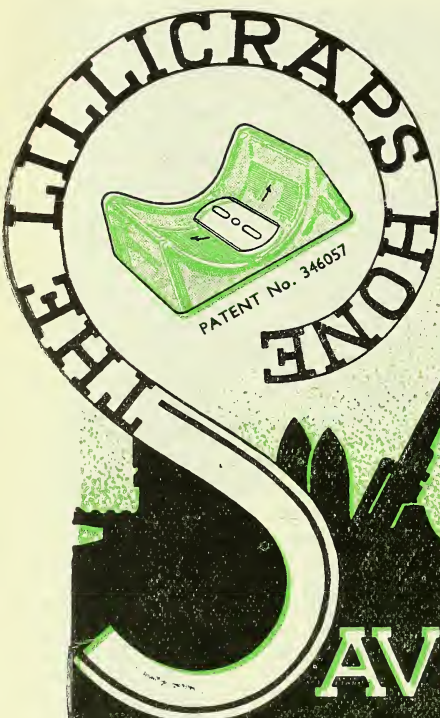
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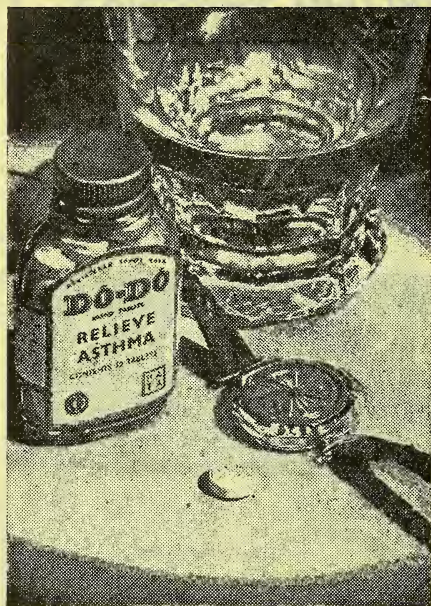
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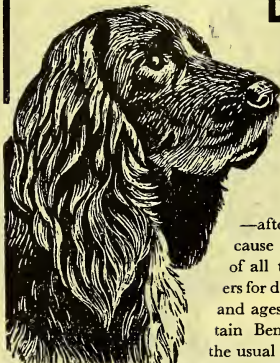
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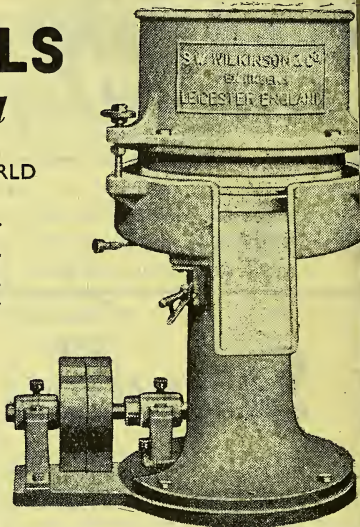
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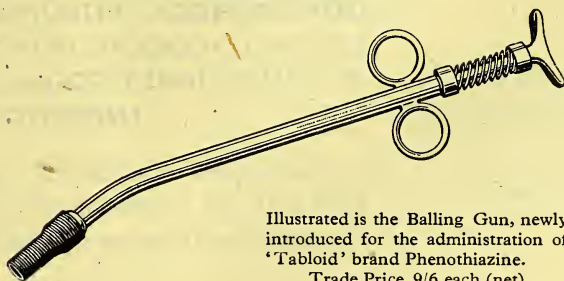
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NOTE—The prices of certain
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*Supplies through usual
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NEWS OF THE WEEK

Purchase Tax on Pastilles.—The Commissioners of Customs and Excise have had under consideration the question of the liability to purchase tax of medicated pastilles, etc., and have decided that in pure pastilles which are classified as sugar confectionery subject to the Consumer Cioning Scheme (personal points) will be chargeable with tax. Pastilles, etc., which are so medicated that they are not subject to the rationing scheme remain chargeable with tax.

Essential Oils Advisory Committee.—The composition of the advisory committee under the Ministry of Food scheme for the transportation and distribution of essential oils (C. & D., May 29, p. 557) is as follows: presenting approved representatives, Mr. Naumann and Mr. A. T. Wheeler (chairman); representing datum-period distributors, Mr. W. A. Ennever and Mr. R. A. Evans; London Produce Brokers'

Association, Mr. C. Howe; Sugar Confectionery (War-time) Association and Cocoa and Chocolate Manufacturers' (War-time) Association, Mr. J. H. Bayfield or Mr. Lloyd Owen; Soft Drinks Industry (War-time) Association, Mr. J. W. Joyce; Soap-makers' and Fat Splitters' (War-time) Association, Mr. H. J. Watkins; British Essence Manufacturers' Association, Mr. Cecil Bush; Wholesale Drug Trade Association, Mr. C. E. L. Lucas.

Saccharin in Food Manufacture.—The Minister of Food has issued a general licence under the Saccharin (Control and Maximum Prices) Order, 1942, authorising manufacturers to use, until July 24, for the manufacture or preparation of food any stocks of saccharin solution, dulcin solution, saccharin in powder form, dulcin, soluble saccharin or sweetening powder of which they have taken delivery on or before May 29, 1943.

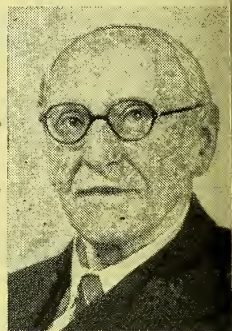
In the Courts.—At North London Police Court, recently, William A. H. Hall pleaded guilty to stealing two tins of milk food, and a number of toilet articles valued at 13s. 6d., the property of May, Roberts & Co., Ltd., 47 Stamford Hill, by whom he was employed. Defendant was bound over for twelve months.—At Ware, Herts, recently, Richard W. T. Page, chemical worker, pleaded guilty to the theft of a quantity of saccharin tablets from his employers, Allen & Hanburys, Ltd., and was fined £20.

Optical and Chemical Works Bombed.—On May 27 Mosquitoes of the Royal Air Force carried out a successful raid on the Zeiss and Schott & Genossen works at Jena, involving a flight of well over 1,000 miles. The Zeiss firm controls many other works of the same kind in Germany, and its designing and drawing offices—famous as the centre of the most skilled optical technicians in Germany—produce designs for these other works as well as for the Zeiss factory itself. The Schott & Genossen factories, besides making optical instruments of all kinds, turn out a large number of periscopes for submarines. This raid was followed by a further blow against German war industries on May 29, when heavy bombers of the R.A.F. attacked Wuppertal. This area includes the town of Elberfeld, where some of the chemical works of I. G. Farbenindustrie are situated.

British Pharmaceutical Conference.—Arrangements have been made by the Executive Committee to hold the eightieth annual meeting of the British Pharmaceutical Conference in London, at the Waldorf Hotel, Aldwych, W.C.2, on July 29. The chairman will deliver his address and there will be a full programme of scientific papers which will be read and discussed at morning and afternoon Science Sessions. Members who have not notified the secretaries of their intention to submit papers should do so immediately, and all papers must be received before June 20, so that printed copies can be circulated a few days before the meeting. Lunch and tea will be provided and an inclusive day ticket at a cost of 10s. 6d. per member or visitor will be obtainable after June 12 on application to the Honorary General Secretaries, British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C.1. Visitors to the Conference who wish to stay at the Waldorf Hotel should apply to the manager at an early date; accommodation is limited and applications for rooms should not be delayed.

Toilet and Fancy Goods.—The Board Trade, after consultation with the Central Price Regulation Committee, has made an Order amending both the Toilet Preparations (Maximum Prices) Order, 1943 (S. R. & O., No. 16), and the Travel and Fancy Goods (Maximum Prices) Order, 1943 (S. R. & O., No. 2527), so as to allow for the increase in purchase tax on these goods. This amending Order permits any extra purchase tax that may have been paid over and above that paid on comparable goods on the standstill dates to be added to the "current price" as defined in the original Orders. The new Order, which is known as the Maximum Prices Order (Toilet Preparations and Travel and Fancy Goods) (Amendment) Order, 1943 (S. R. & O., No. 724), came into force on June 1.

Presentation to Octogenarian Pharmacist.—Hull Chemists' Association recently honoured Mr. E. Haworth Earle on the occasion of his eightieth birthday by holding a little party and presenting him with a reading lamp. Tribute to Mr. Earle's work on behalf of his fellow chemists in years gone by was paid by Mr. L. S. SELLE, who recalled his activities in the Great War years and earlier in the century. Mr. Earle is the proprietor of the oldest chemists' business in Hull.



Mr. E. Haworth Earle

Now in King Edward Street, it was formerly in the Market Place. The present pharmacy has had two narrow escapes. The first was from fire at adjacent premises, and the second when Hull was blitzed two years ago, but neither "Anno Domini" nor the "common enemy" deterred Mr. Earle from putting up the "Business as Usual" sign within a short space of time on each occasion. Mr. Earle had wide interests outside pharmacy: in art, literature and the drama. Mr. H. BROWN recalled that he was Mr. Earle's first apprentice, and spoke of the great number of apprentices who had followed in his footsteps to benefit from the high standard of training which Mr. Earle gave them. Incidentally, Mr. Earle was the first chemist in Hull to take lady apprentices. Others who wished Mr. Earle many

happy returns were Mr. H. Smart, Councillor J. J. Spilman and Mr. F. H. Palmer. Miss E. B. Palmer made the presentation, and Mr. EARLE, in reply, spoke of developments that had taken place in pharmacy during his long career.

Resolutions on National Medical Service.—Bath Branch of the National Pharmaceutical Union, at a meeting held on May 26, Mr. W. Huxley in the chair, passed the following resolutions, which have subsequently been sent to the N.P.U. and the Pharmaceutical Society:—

That this meeting of the Bath Branch of the N.P.U. is unanimously of opinion that the N.P.U. and the Pharmaceutical Society should demand that the dispensing of medicines, and all pharmaceutical work required for any arrangements made in respect of a State medical service, should be performed solely by pharmacists in existing registered pharmacies, which are conveniently situated in all districts.

That the Bath Branch of the N.P.U. is of opinion that the N.P.U. Executive and the Pharmaceutical Society should request all their Branches carefully to consider the question of a State medical service and its effect upon pharmacists, and should urge Branches to send resolutions similar to the above before it is too late.

The meeting considered that the interests of employer and employee pharmacists will be equally affected by whatever arrangements are ultimately made for the provision of a national health service, and is accordingly arranging a meeting to which all pharmacists (proprietors, managers and assistants) and apprentices in the City will be invited so that a united effort may be made to secure the status and professional remuneration to which pharmacists are entitled. The Branch calls upon all other branches to take similar action.

Annual Meetings at Hull.—Hull Chemists' Association and Branch of the Pharmaceutical Society held their annual meetings on May 25 under the chairmanship of Mr. H. Hargreaves. In his report as secretary Mr. B. FOSTER said the outstanding effort of the Branch during the past year had been the raising of about £1,000 for the Aid-to-Russia Fund sponsored by the Pharmaceutical Society. Warm appreciation was accorded to Mr. Foster and Dr. Drummond as the organisers of this effort. Mr. BAYS proposed a vote of thanks to the retiring committee for having continued to arrange meetings under increasing war-time difficulties. This was seconded and supported by MESSRS. NAYLOR and PALMER. It was announced that the sum of £12 would be

sent to the Society's Benevolent Fund as a result of various efforts. The following officers were elected for the year: *President*, Mr. K. Clappison; *Vice-presidents*, Mr. C. B. Holliday and Miss E. B. Palmer; *Secretary*, Mr. B. Foster; *Local Secretary*, Mr. C. B. Holliday; *Treasurer*, Mr. F. Harrison; *Minute Secretary*, Miss E. B. Palmer; *Auditors*, Messrs. F. H. Palmer and Bays; *Committee*, Mrs. E. Brocklehurst, Dr. Drummond, Messrs. L. S. Selle, Barrett, King and E. Brocklehurst.

Eire Election Candidate.—Three pharmacists are at present in the field as candidates in the Eire general election, and it is likely there will be more before nominations close on June 9. Two outgoing pharmacist deputies are seeking re-election: Mr. Frank Loughman, Government Party deputy for Tipperary, and Mr. John J. Cole, Independent member for Cavan. The first new chemist candidate nominated so far is Mr. Michael J. O'Rourke, chairman of the Dun Laoghaire Borough Council and brother of Mr. James A. O'Rourke (a member of the Council of the Pharmaceutical Society of Ireland). Mr. Michael O'Rourke has been a valued and active member of the committee of the Irish Drug Association for several years. He has been nominated as a Fianna Fail or Government Party candidate.

U.S. Drugs Received in Eire.—The Irish Red Cross Society has received from the United States a second large consignment of drugs and medicinal supplies valued at over 20,000 dollars, forming part of an American Red Cross gift to Eire. The first consignment, received some months ago, was mainly of surgical instruments. The present shipment conforms to a list supplied by an Irish Medical Subcommittee. The entire consignment, which was brought to Eire in an Irish ship, was received at the Red Cross Headquarters in Dublin. It includes calcium gluconate, dextrose, ether, cod liver oil, castor oil, barium sulphate, sodium salicylate, sulphathiazole, sublimed sulphur, ammonium chloride, vitamins, etc. Further consignments are due before the gift made by the American Red Cross to the Irish Society is complete.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

TOPICAL REFLECTIONS

Making a Stand

Your report (p. 544) of a recent meeting between a committee of the British Medical Association and the Minister of Health (with whom was the Parliamentary Under-Secretary for Scotland) has a significance for pharmacists. The substance of the report is that the proposals of the Ministry of Health for what is called "a comprehensive medical service" were described by the committee as contrary to the public interest and unacceptable to the medical profession, and that the interview ended with an agreement to clean the slate and start afresh. In so well-educated and highly organised a profession as that of medicine, the probability of any essential point being overlooked in negotiations of this kind is small. Thus, in "The Times" of May 29 Sir Bruce Bruce-Porter, writing from a medical experience of fifty years, inquired how it was proposed to maintain the principle of free choice of doctor if a State medical service was instituted. If an area that he named had ten doctors assigned to it, would residents in it be debarred from seeking medical aid outside it? It is not too early for Panel chemists to begin asking parallel questions. One that comes to mind arises from the increased cost of fitting dispensing departments, which contain more apparatus than was the case when the first National Health Insurance Act came into force. Is this greater cost reflected in the present dispensing fees? If not, N.H.I. contracts assume the appearance of a sweated service. It should be made perfectly clear, at an appropriate time, that Panel chemists are not prepared to enter into any new contract that fails to allow for this and other rising costs—for there are others. Failing an explicit arrangement, contractors may find a surprise or two sprung upon them in the shape of unforeseen demands arising from changes in medical practice.

An Election Resolution

Your statesmanlike appraisal of the discussion and resolution on the postponement of the Pharmaceutical Society's Council election (p. 555) leaves little to be added. In your issue of January 23 I had occasion to express the view that the reasons for postponing a Council election in 1941 and 1942 were no longer relevant; and I am pleased to find that a majority of the members present at the Society's annual meeting on May 19 were of the same opinion. As you

indicate, the Council is not bound to act in accordance with the decision reached at the annual meeting. If it refrains from applying to the Privy Council for a direction on the holding of an election next year, an election can be held in the usual way; but the alternative is possible. The small number of votes given at the meeting, thirty-five for the motion and eighteen against (presumably without any significant number of abstentions), is of interest in that it adds up to a fair average of the attendance at these annual meetings during the past twenty-five years. On refreshing my memory on this point, I see that only in 1932 and 1936 was the average of about fifty noticeably exceeded, and then for an easily understood reason. From this I infer that although a different cross-section of the Society's membership could (as is obvious) have yielded a different result, yet the meeting referred to was of the usual size and with a more or less usual balance of interests represented. However that may be the result is definite: it remains to be seen what the branch representatives will do about it on Whit Monday.

Apothecaries' Assistants

The letter of "Hall Dispenser" (p. 563) is based on one of those half-truths that need to be recognised for what they are. "The fact remains," your correspondent writes: "that Hall dispensers are qualified by examination to dispense." Quite so; but for whom? Section 17 of the Apothecaries Act, 1815, provides for an examination for the purpose of granting certificates to successful candidates "to act as an assistant to an apothecary in compounding and dispensing medicines." The conditions for obtaining such a certificate are, according to the latest information before me, that in addition to a general education, candidate must have been instructed in chemistry and in pharmacy for not less than 200 hours in each subject, and must pass an examination in (1) compounding and dispensing (practical and oral), and (2) chemistry, *materia medica*, pharmacy and the translation of prescriptions. When we turn to the requirements in the two examinations for the diploma of a chemist and druggist (to say nothing of higher qualifications), we find a very different standard of knowledge laid down. This is, or should be, familiar ground to everyone who has given any thought to pharmaceutical education.

Xrayser

TRADE NOTES

Prices Reduced.—Prices of certain packages of Cibazol sulphathiazole were reduced May 24. Full details from the makers, Iba, Ltd., Horsham, Sussex.

Supporter Belts.—Increased demand but restricted production of Litesome supporter belts are the subject of an announcement this issue by Fred Hurtle, Ltd., Victoria Park Mills, Keighley.

Moth Cartridges.—Large supplies of Era moth cartridges, which are claimed to be 10 times stronger than moth balls, are available from wholesalers or from the makers, Kay Brothers, Ltd., Stockport.

Nujoy Ointment Price.—In the advertisement published in last week's issue (p. 11) the trade price of Nujoy ointment should have read 16s. 8d. per doz., plus purchase tax. Prices for the pot and packet were correct as stated.

Iodine Applicator.—The method of applying iodine to the skin by means of the applicator container is photographically illustrated on another page. No brush or cotton wool is required, the slim bottle having a fitted fountain-brush head of patented design. The makers are Henry C. Mearns, Ltd., 7 Stanhope Terrace, London, W.2.

Dry-cleaning Solution.—For "professional style" cleaning of fabrics, clothes, hats, satin and brocade shoes and carpets, and for windows, mirrors, baths and paintwork, a lighter dry cleaner is offered by Furmotto Chemical Co. (Factors), Ltd., 1-3 Brixton Road, London, S.W.9. The preparation, which is issued in bottles of one size, is non-inflammable and is stated to leave no ring.

A New Revitone.—To meet war-time restrictions in regard to the use of sugar and glycerin, a new formula has been evolved for Revitone tonic manufactured by Roche Products, Ltd., Welwyn Garden City, Herts. The opportunity has been taken to enhance the tonic properties of this preparation by the addition of an effective dose of vitamin B₁, namely 200 international units per teaspoonful. All the active ingredients of the old formula have been retained.

Improved Soil Dressing.—Ormskirk Fertiliser Co., Burscough Bridge, Ormskirk, announce that Vitop top dressing contains the same amount of plant food as in former years, but has been improved by the in-

corporation of a special pest destroyer. This novel feature in a fertiliser is an excellent selling point and the speciality becomes a more-than-ever valuable item for the horticultural chemist to stock. Vitop is being advertised in the leading garden papers and certain newspapers from the end of May onwards. To meet the resulting demand, orders should be placed in good time. Delivery—in rotation—takes usually four to seven days.

Multishave Directions.—Some users of the Multishave exert too much pressure in sharpening the blades, and as the abrasive, although extremely smooth, is very fast cutting, the edge is ground more than is necessary. To avoid this, the application of a little talcum powder is recommended in the new directions, and this ensures a sharper edge and less wear to the blade. Multishave safety-razor blade sharpeners are in good supply, and are still supplied in display carton of three dozen, and the special advertising offer still applies. Full details are in the full-page Multishave advertisement in this issue.

Modern Remedies Indexed.—Now out of print, the "Index of New Remedies" published in 1941 by the "Scottish Chemist," 240 Albert Drive, Pollokshields, Glasgow, S.1 (see *C. & D.*, 1941. II. 4), has been succeeded by "An Index of Modern Remedies" from the hand of the same compiler, Mr. William Mair, Ph.C., F.R.S.E., F.C.S. Issued at 1s. 6d. the new Index consists of sixty quarto pages, and is conveniently subdivided into modern and new remedies, chemical compounds, British-made chemical compounds, manufacturers' names and addresses, purchase-tax exemptions, and the like. Altogether it forms an invaluable counter reference for the pharmacist.

Business Changes

F. E. HOOKWAY & Co., LTD., have removed to Botolph House, 10 Eastcheap, London, E.C.3.

Proprietary Articles Trade Association

Alterations to Protected List.—*Southern Utilities, Ltd.*, Leciferrin. Chemists are allowed a bonus of thirteen to doz. on minimum one-doz. 4-oz. size, with further 5 per cent. for cash in seven days.

Wright, Layman & Umney, Ltd., Wright's coal tar talcum-powder, 1s. 4d., 12s. doz., tax 12s. doz., inclusive retail price 2s. 4d.

EMPIRE AND FOREIGN NEWS

Indian Chemical Import Position.—The Chief Controller of Imports, India, has assured the Indian Chemical Manufacturers' Association that essential drugs and medicines required by manufacturers in the country for civilian needs will always receive the immediate attention of the Government. The Government of India will be willing to grant the necessary permits for importing quinine from foreign countries provided the latter are prepared to allow its export. The Association has urged the importance of allowing imports of codeine and other opium alkaloids from the United States and United Kingdom.

Canadian Pharmacists and Man-power Shortage.—Mr. Alan P. Brander, pharmacist and former mayor of Wallaceburg, Ontario, has sent a telegram of protest to the Premier of Ontario against a remark made by the Premier in the Legislature that National Selective Service "should comb every industry and every drug store," and send men to farm jobs by compulsion if necessary. Mr. Brander's telegram read: "All druggists resent your slur in ill-advised speech. Ontario druggists do not need any one to proclaim their loyalty. Their acts speak for themselves, but we resent the inference that men are hiding in drug stores from responsibilities to the State. Your Government's poorly-planned agricultural survey is to blame for any shortage of help, if one exists."

South African Sera Production.—Dr. E. H. Cluver (Director of the South African Institute for Medical Research) stated recently: "Protection in the form of vaccines prepared in the Union is available against typhoid, tetanus, typhus, yellow fever and plague. Sixteen kinds of sera for the treatment of disease are also produced in the Union. Probably most important of all is anti-gas-gangrene serum, required in considerable quantities now that the soldier runs a greater risk of infection because of the great force behind the metal fragments causing wounds. This serum formerly came from Denmark, but when the supply was cut off by the German invasion arrangements were made to produce it locally. Sixty horses have now been immunised against the causative germs, and they supply not only the needs of the South African Army, but also sera for Allied countries, including Russia." Large quantities of South African sera are also being sent to North Africa.

PARLIAMENTARY NEWS

Dufay Air Photo Process.—Sir J. Grigg (Minister for War) informed Mr. W. Brown on May 25 that he was having inquiries made into the Dufay air photo process. Mr. Brown had asked whether, in view of the moral value of the process, he would do everything possible to facilitate development and use.

Concentration of Industries.—Replying to Mr. Rhys Davies on May 25 the President of the Board of Trade (Mr. Dalton) said that concentration of production had been applied by his Department to nearly seventy branches of industry; 6,156 nuclei certificates had been issued and 3,200 establishments had been closed. Concentration was a war-time provision, and it was laid down in the White Paper issued by his predecessor that the Government would give all facilities for the re-opening at the end of the war of businesses which on that account had been closed down.

Medical Supplies for the Middle East.—Major Procter asked the President of the Board of Trade on May 25 why a system of bulk markets had been introduced for British medicines exported to the Middle East; and what steps had been taken by his Department to ensure retention of the individual trade and goodwill of proprietary medicines affected.

Mr. Dalton: The system of bulk indent for medical supplies for the Middle Eastern territories was introduced in order to ensure a steady flow of these essential requirements, many of which were in short supply from the United Kingdom and the United States of America and to establish a fair distribution between these territories. The question of including proprietary medicines was being examined in Cairo by a representative of his Department.

"C. & D." QUIZ, NO. 3

1. Who was the first professor of pharmacy at the Society's school?
2. What Roman poet wrote on cosmetics?
3. What is gingelly oil?
4. In what year was the Royal Institute of Chemistry founded?
5. What should you dispense for "mercurial ointment"?
6. What is lait virginal?
7. What is toothache bark?
8. What is dragon's blood?
9. What ransom did Alaric, King of the Goths, demand for Rome?
10. What is a "nushtur"?

(Answers on page 581)

HARMACEUTICAL SOCIETY of IRELAND

The monthly meeting of the Council of the Pharmaceutical Society of Ireland was held

May 11, Mr. John Gleeson (president) the chair. Other members present were Messrs. C. J. Cremen, P. C. Cahill, T. C. Cott, P. Brooke-Kelly, P. A. Brady, Costelloe, W. G. Cunningham, J. A. Rourke, H. P. Corrigan, M. J. Kieran, MacSweeney, A. R. Lester, J. K. Whelehan, M. J. Parkes and Miss F. M. Flood.

Chemists in the Red Cross Society

THE REGISTRAR (Mr. J. J. Kerr) reported to the Council that he had had discussions with Mr. Rory Henderson and Mr. F. M. Mallen, P.S.I., of the Irish Red Cross Society, with regard to the control of dangerous drugs at Red Cross Posts, and also with reference to the status of pharmaceutical chemists in the Red Cross. He had also written to Mr. Martin Namara, secretary of the Irish Red Cross Society, pointing out that it would be a criminal offence of the utmost gravity for any unauthorised person, that was to say a person not a doctor or chemist, to be in possession of dangerous drugs. The law provided that such drugs should be kept in a locked receptacle and that the key must be in the possession of a doctor or fully qualified chemist. On the question of the status of chemists in the Red Cross he wrote making the friendly suggestion that chemists acting in their professional capacity should have commissioned rank and that there might be a distinctive marking or badge for such persons. The reply from the secretary of the Red Cross was in the following terms: "We are instructing our chemist, Mr. Mallen, to go and see you and to discuss with you the best method whereby the standard regulation regarding the storage of dangerous drugs will be carried out by our First Aid Posts throughout the country. With regard to Mr. Burke's complaint (see *C. & D.*, May 1, 1940), we would like to point out that the Irish Red Cross Society has always recognised the value of the chemist's qualifications, and, as such, has made out a regulation in the provisional organisation that all chemists are pernumerary officers and exempt from all examinations. So far there is not a distinctive marking for such, but in view of the recommendation of your Council the matter will be brought before the notice of the General Purposes Committee for consideration. Regarding Miss Sullivan's letter, we feel that she followed the correct procedure, and we will inform the branch secretary concerned that these drugs should remain under her control, or if she so desires, to the medical officer in charge of the post." The Registrar mentioned that following upon this letter Mr. Mallen called upon him and they had a friendly discussion. The Council

felt that the questions at issue had been satisfactorily dealt with by the Red Cross Society.

Proposed Pharmacy Guild

A letter was read from Mr. W. G. Cunningham, acting secretary of the provisional committee, regarding proposals for the establishment of a Guild of Irish Pharmacy and requesting the Council to appoint delegates to a conference to be held in the near future, the subjects for discussion to be: (1) The desirability and practicability of forming some unifying organisation or representative body of the various branches of the chemical and drug industry; (2) the discussion of the draft provisional constitution for such an organisation under the form of a Guild of Pharmacy. In his letter Mr. Cunningham wrote: "As you are aware, the minds of serious statesmen and others are in recent times turning more and more to the necessity of having strongly organised units, independent and autonomous, in the community. The basis or principle underlying this trend is that each industry or occupation should be in a position to fulfil a threefold function: (1) Serve efficiently and economically the needs of the community; (2) promote and defend its own interests as an industry or occupation; (3) secure a just and friendly co-operation between the various elements—owners, managerial staff and operatives within the industry. Under the first heading an industry should be able to: (a) Co-operate with the Government of the country in carrying out its policy, and not be in a position of being dictated to by bureaucrats unfamiliar with the technique and problems of the industry; (b) defend the interests (in matters of taxation, tariffs, legislation, rationing, etc.), of the industry *vis-a-vis* the State. Under the second heading the continuous progress of the industry (research, education, qualifications, code of professional etiquette, etc.) can only be secured if the industry is well organised. Under the third heading experience has shown how useful, if not absolutely necessary, such things as joint industrial councils, conciliation committees and the like are, both in the matter of wages and in those of prices and quality standards. With a view to discussing and examining how far a formal organisation of the various branches of the chemical and drug industry is desirable or demanded, a small committee has been engaged in preliminary studies. The enclosed provisional constitution for some such unified and formal organisation has commended itself to this committee as a basis for further discussion by representatives of the various branches."

MR. CUNNINGHAM said he would like the Council to examine the proposals put forward on their merits, and did not wish as a member of the Council to influence them in any way.—THE PRESIDENT: The aims and objects of this scheme are very good and very worthy of support.—MR. LESTER thought the scheme proposed cut across the work of the Council

and the Irish Drug Association, who were doing most of these things all along.—THE PRESIDENT pointed out that the suggested Guild was to represent all interests, including the Society, the I.D.A., the Registered Druggists' Association, the Irish Dispensary Compounders' Association, the Assistants' Union, unions catering for employees in the chemical and drug industry, manufacturers, wholesalers and retail chemists.—MR. BROOKE-KELLY said he had an open mind on the matter, and would like to examine the scheme more carefully at a future date to see that there was no overlapping, or that it did not encroach on the rights of the Pharmaceutical Society in any shape or form.—MR. CUNNINGHAM: It will not encroach on the Society. Each body would continue as at present with representatives on the Guild.—MR. WHELEHAN: Will it have statutory powers?—MR. CUNNINGHAM: We hope to get them. That is our ultimate object.—MR. SCOTT said that the trades unions were not very keen on the idea and had not sent representatives to the provisional committee. They felt that promoting a body like this was likely to take away their own powers.—MR. BROOKE-KELLY: If the trade unions do not appoint representatives the whole thing falls to the ground.—THE PRESIDENT: Or if the Minister for Industry and Commerce does not appoint a representative.—THE PRESIDENT: Has he been approached yet?—MR. CUNNINGHAM: Not yet.—MR. BRADY: The Minister will not consider it until the report of the Vocational Commission is issued.—MR. CUNNINGHAM: He will consider a voluntary body. He had done so already.—MR. CAHILL: Will he give you statutory authority?—MR. CUNNINGHAM: In this way: that anything connected with the profession would be submitted to this body.—MR. CAHILL: The same as at present he refers to this Society and the I.D.A.—MR. CUNNINGHAM: If the employees were represented he would refer to this Guild. I am only submitting this draft to you and it is for the conference suggested to consider it. You are merely asked to send delegates.—MR. PARKES asked if the Guild got statutory powers would it overrule the Pharmaceutical Society?—MR. COSTELLOE: Not so far as the Pharmacy Act is concerned. It would so far as the vocation is concerned.—MR. CUNNINGHAM suggested the Council appoint some "doubting Thomases," some members opposed to the idea, as delegates, because it was only in that way they would get the scheme thrashed out.

When it was proposed that Mr. Scott and Mr. Cremen be sent as delegates MR. CREMEN said he would not like to be placed in a false position. He did not wish to have the druggists having the same number of representatives as the Pharmaceutical Society. The Society represented both chemists and druggists, consequently they would be in a very false position if the druggists had two representatives there too.

MR. KIERAN: If you had two registered druggists would they not help pharmacy as a whole?—MR. BROOKE-KELLY submitted that the representatives they were sending would represent the Council and not chemists or

druggists.—THE PRESIDENT said he did not see why druggists should ask for two representatives.—MR. CUNNINGHAM explained numbers did not count in the proposed Guild. It was a question of having every unit of the profession represented, otherwise the Government would take no notice of it. Voting power did not enter into it at all. There would be no voting at the Guild, strange as it might seem. THE PRESIDENT said he still maintained that representatives from the Council represented the chemists and druggists.—MR. BRADY said that if three were not too many he would suggest Mr. Kieran go to represent the drug with Mr. Cremen and Mr. Scott.

When asked if he would go instead of Cremen, MR. KIERAN said he would be prepared to go with Mr. Cremen and Mr. Scott as a minority representative. He only wanted to play in this matter. After further discussion it was agreed that Mr. Cremen, Mr. Scott and Mr. Kieran should be appointed to represent the Council at the conference to consider proposals for a tentative Guild of Pharmacy and to report back to the Council.

Registration Matters

Mrs. Mary Daly (*née* Barry), qualified assistant, wrote submitting marriage certificate and requesting change of name in the Register. The application was granted.—The following who submitted matriculation certificates were granted Preliminary registration: Miss M. Coughlan, Messrs. J. P. Meany and S. O'Suilleabhain.—The following changes of address were notified: Mr. R. H. Callaghan, L.P.S.I., to 1 Trenic Crescent, Newport Road, Leeds 6; Mr. V. McElwee, M.P.S.I., to Dung Donegal; Mr. C. H. Williams, L.P.S.I., 15B Old Kilmainham, Dublin; Mr. A. Walmsley, L.P.S.I., to 31 Melwood Drive, West Derby, Liverpool; Mrs. Mary Daly, assistant, to 19 High Street, Capwell, Cork; Mr. C. E. P. Grocott, L.A.H., applied for a new registration.—Miss A. M. Coggin, Messrs. V. McElwee and J. F. Walsh were elected members of the Society.

Reports

The reports of the House, Law, and Certificates and Declarations Committees were submitted and approved.—The report of the examiners to the recent Licence examination showed that forty-one entered, of which number twenty-one passed. For the Assistants' examination the examiners reported that for entered and nineteen passed. The one candidate who entered for the Registered Druggist examination passed.

When the Council came to consider a notice of motion, tabled by Mr. Costelloe, dealing with the mode of election of members to the Council, and the motion on this matter by Mr. Cahill deferred from the last meeting, MR. BROOKE-KELLY said he objected to the time of the Council being taken up altering regulations that did not matter while more important things were left unconsidered. He would not take part in the debate because he did not approve of valuable time being wasted.

The Council decided to consider Mr. Costelloe's motion as an amendment to part of Mr. Cahill's to take both together. MR. COSTELLOE said as follows: "Delete first paragraph, on 5, page 57, Book of Acts and Regulations, and insert in lieu thereof: 'A voter shall for the full number for which there are agencies by placing an X opposite the name of one of the seven candidates of his choice. Papers containing a lesser or a greater number of votes than seven shall be invalid.'"

MR. COSTELLOE said he agreed with Mr. Cahill's motion, except in paragraph 1, and suggested a divisible vote as preferable to the transmissible vote. Proportional representation was a good, but it was too elaborate for their needs. The counting of P.R. votes, transferring, so forth took up a lot of time. In this case, since there were no politics and each candidate held to be equal, the divisible vote was the best method of election.

MR. O'Rourke thought Mr. Costelloe's idea was sound.—MR. CAHILL said he had a perfectly good mind on the matter, and was prepared to withdraw his proposal for P.R. if the majority agreed Mr. Costelloe's plan.—THE PRESIDENT: "The only advantage of P.R. is that it favours a minority, but I don't think we have any minority here.—MR. CUNNINGHAM seconded Costelloe's motion, which it was agreed should be taken in as the first part of Mr. Cahill's motion instead of the original P.R. provisions. Discussion then followed on how the votes should be returned, and it was ultimately agreed to amend all the remainder of Mr. Cahill's motion to read: "The voter must put his or her name and address in the place marked on the outside of the envelope marked 'A' which envelope must in turn be placed in the second envelope provided, and passed to the Registrar."

The Registrar was directed to have the amended motion, as passed, re-submitted in the regulation form to the next Council meeting for consideration before submission for approval by the Minister of Justice.

MR. BROOKE-KELLY inquired if the Council would now be prepared to consider proposals regarding to their examinations and the education of their students which he had presented as part of the work of the Education Committee, when some members pointed out that they were now at the end of an unusually long meeting. Mr. Brooke-Kelly said that for the past two years he had been trying to have the things discussed. They were far more important than some of the matters they had been discussing for one and a half hours. Time was all the time he came there ready to have these matters dealt with, but they were put off to another time. THE REGISTRAR said the trouble was that they could not bring Mr. Brooke-Kelly up for Committees.

The Book Drive.—Drives for the collection of old books for salvage are helping to make up the paper salvage deficiency, and your regular collection of waste paper is vital to the war effort.

TRADE MARKS

(From "The Trade Marks Journal," May 5.)

"ACTOVITE"; for preparations for use in medicine and pharmacy (5). By Bengué & Co., Ltd., Mount Pleasant, Alperston, Wembley, Middlesex. 622,633.

"LINGUETS"; for non-medicated sweets (30). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland. 622,639 (Associated).

(From "The Trade Marks Journal," May 12.)

"BACTERASE"; for chemical substances, being enzymes, for use in manufacture of farinaceous food products (1). By Norman Evans & Rais, Ltd., Dudley Road, Manchester. B622,182.

"CHRYZLA"; for non-medicated toilet preparations and for perfumes (3). By Amy Blackburn, 16 Old Bond Street, London, W.1. 622,115.

"HIDALGO"; for industrial and agricultural chemicals (excluding weed killers, insecticides, and fungicides), manures and chemical food preservatives (1). By M. Augusti Hidalgo (London), Ltd., 39 Eastcastle Street, Oxford Circus, London, W.1. 622,218. (Associated.)

"EXPEDOL"; for laundry and cleaning preparations, soaps, perfumery, essential oils and non-medicated toilet preparations (3). By London Soap & Chemical Co., Ltd., 30-31 Richardson Street, London, S.E.1. 621,807.

"DOZI" in script characters; for perfumery, non-medicated toilet preparations, cosmetic powder boxes and rouge boxes (excluding precious metals) (3). By A. J. Izod, Ltd., 6 Hanover Square, London, W.1. 622,167. (Associated.)

"GAZELLE"; for toilet soap (3). By R. Wheen & Sons, Ltd., Deptford, London, S.E.8. 622,605 (Associated).

"SOLANIA"; for non-medicated toilet preparations, soaps, perfumes and hair lotions (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 622,673.

"HONICOSE"; for pharmaceutical preparations and substances, infants' and invalids' foods, and medicated sweets, all containing honey (5), and for non-alcoholic beverages, etc., containing honey (32). By Meadowcroft & Co., Ltd., Stanley Mills, Butcher Lane, Bury. 621,094-5 (Associated).

"CALGLUFER"; for pharmaceutical preparations for human and veterinary use (5). "SCILMURIN"; for pharmaceutical preparations for human and veterinary use, and for weed and vermin destroyers (5). By Sandoz, A.G., 60 Fabrikstrasse, Basle, Switzerland. 621,518; 622,520 (both Associated).

"NOVALDEX"; for pharmaceutical preparations and substances and for sanitary preparations and disinfectants (5). By Imperial Chemical (Pharmaceuticals), Ltd., Wexham Road, Slough, Bucks. 622,240 (Associated).

COMPANY NEWS

WYNNE TIGHE & SON, LTD. (P.C.).—Capital £3,000. Manufacturing, pharmaceutical, veterinary and dispensing chemists, etc. Cyril Wynne Tighe, M.P.S., and Paul Wynne Tighe, directors. R.O.: 11 Martin Street, Exeter.

RIMMEL (HOLDINGS), LTD. (P.C.).—Capital £5,000. Pharmaceutical, manufacturing and general chemists, manufacturers of and dealers in toilet requisites, cosmetics, etc. First directors to be appointed. R.O.: 14 Suffolk Street, Pall Mall, London, S.W.1.

PETER MARKHAM (CHEMICALS), LTD. (P.C.).—Capital £2,000. Manufacturers of and wholesale and retail dealers in chemical goods and products, drugs, soaps, etc. Peter J. Markham and Effie O. M. Markham, directors. R.O.: 82 Victoria Street, London S.W.1.

T. D. PATTISON (CHEMISTS), LTD. (P.C.).—Capital £5,000. To acquire the business of a dispensing chemist, etc., carried on by Thomas D. Pattison at 81 York Road, West Hartlepool. Thomas D. Pattison, M.P.S., Wilfred Pattison, Mrs. Fanny Pattison and Mrs. Constance M. Pattison, directors.

UNIVERSAL PROOFINGS, LTD. (P.C.).—Capital £100. To carry on business as chemists, manufacturers of and dealers in chemical, industrial, and other preparations, etc. Albert Frampton, director and chairman. Solicitors: James and Charles Dodd, 7 Stone Buildings, Lincoln's Inn, W.C.2.

HOOTON SURGICAL APPLIANCES, LTD. (P.C.).—Capital £300. To acquire the business carried on by Roland L. Hooton, and to conduct business as manufacturers of and dealers in surgical and scientific instruments and supplies, etc. Roland L. Hooton and Herbert A. Welch, directors. R.O.: Premises adjoining Stangers Builders' Yard, Grange Lane, Leicester.

E. JAMES & SON (COSMETISTS), LTD. (P.C.).—Capital £4,200. To acquire the business carried on by Eric B. James and Irene G. Westwick at Prince Road, South Norwood, London, S.E.25, and to carry on business as manufacturers of and dealers in cosmetics, chemicals, etc. Directors and R.O. as above.

VACCINE PRIVATE IMMUNISATION CLINIC AND RESEARCH LABORATORIES, LTD. (P.C.).—Capital £1,000. To investigate systems for reducing industrial absenteeism by pre-seasonal immunisation against catarrhal illness, to carry out research work in connexion with industrial occupational diseases, etc.

Herbert H. Murray, William R. Oliver and Miss Cecilia Brady, directors. R.O.: Buckingham Palace Gardens, S.W.1.

TIMOTHY WHITES & TAYLORS, LTD. Directors announce a second interim dividend of $22\frac{1}{2}$ per cent., less income tax, on the ordinary shares. An interim of $7\frac{1}{2}$ per cent. has already been paid, making the total payment 30 per cent. for the year. It is not proposed to recommend any further dividend in respect of 1942.

AYRTON, SAUNDERS & CO., LTD. Directors' report for year ended December 31, 1942, states that balance available £15,785; £5,000 has been transferred to general reserve. Directors recommend a dividend of 10 per cent., less income tax, on the ordinary share capital, leaving £8,315 to be carried forward. To fill the vacancy rendered vacant by the death of Mr. Harold Nixon, the directors have elected as chairman Mr. W. R. Jamieson, who joined the organisation forty-three years ago, has been a managing director since 1928, and deputy-chairman since 1939. Mr. C. Dalrymple, who has been a managing director since 1935, has been elected to the vice-chairmanship. Mr. W. S. Hume has been appointed secretary. The retiring director, Mr. F. Twells, being eligible, offered himself for re-election.

BRITISH ALKALOIDS, LTD.—Report of the directors for the year ended March 31 shows a profit for the year of £66,820, after charging £62,000 estimated excess profit tax. To this amount is added balance brought forward, making £67,966. £5,000 has been transferred to general reserve, and £13,500 to taxation reserve, leaving £11,314. Directors recommend payment of a final dividend on the ordinary shares of $15\frac{1}{2}$ per cent., less tax, making a total of $27\frac{1}{2}$ per cent., less tax, for the year. £6,100 is carried forward. It is not at present proposed to fill the vacancy on the board of directors caused by the death of the company's former chairman and medical adviser, Lieutenant-Colonel E. L. Gowlan, D.S.O., M.B. (Lond.). Dr. E. J. Parry has been appointed chairman in his place.

VOLUNTARY LIQUIDATION.—A meeting of members of Sumners Ty-Phoo Tea, Ltd. will be held at 21 Hermitage Road, Edgbaston, Birmingham, 16, at 12 noon on June 29, to show how the winding-up of the company has been conducted.

MARRIAGES

CALDER—CUTHBERTSON.—At the Presbyterian Church, Whitehaven, on May 5, J. M. N. Calder, M.B., Ch.B., Crimond, Berdeenshire, to Mary Elizabeth Cuthbertson, B.Sc., Ph.C., 69 Cromarty Avenue, Glasgow (pharmacist at Whitehaven and West Cumberland Hospital).

DEATHS

COPE.—At Roseville, Leek, Staffs, on May 5, Mr. Raymond Cope, chemist and optician, Cawdry Pharmacy, Leek.

FECHER.—At the Slough Emergency hospital, on May 31, the wife of Michael J. Fecher (managing director, M. J. Fecher, Ltd., Slough) aged seventy-three. The funeral will take place at Stoke Poges on June 7.

GRIMES.—At Maryville, Carysfort, Blackrock, co. Dublin, on May 15, Mrs. Eleanor Grimes, widow of the late Mr. H. C. Grimes, who for over forty years represented Evans Sons Lescher & Webb, Ltd., Ireland. Among those present at the funeral were Mr. W. R. Such (managing director of Evans Sons Lescher & Webb Ireland), Mr. T. J. Moran (a director), and Mr. John J. Gaynor (law adviser to the Pharmaceutical Society of Ireland).

HINDLEY.—Sergeant-Pilot Edward James Hindley, elder son of Mr. Harry Hindley, Ph.C., Oldbury, Birmingham, formerly of Liverpool, aged twenty. He was reported missing from the Dieppe raid on August 19, 1942, and is now presumed to have been killed in action on that date.

MASON.—At Scunthorpe, recently, Mr. Marcus Mason, chemist and druggist, aged thirty-three.

MORGAN.—Recently, Mr. Percy George Morgan, M.P.S., Whitchurch, Shropshire, aged fifty-nine. Mr. Morgan entered his father's Whitchurch branch in 1900, and eventually took charge of it in 1906. On the death of his father in 1919 he succeeded in the business. Mr. Morgan was first elected to the Whitchurch Urban District Council eighteen years ago and had been a member ever since. For the past five years he had been chairman of the Council. In 1941 he was elected a member of the Shropshire County Council.

NAYLOR.—At Beeston, Nottingham, on May 30, Mr. William Arthur Harrison Naylor, M.P.S., F.I.C., formerly of Bromley, Kent, aged eighty-nine. Mr. Naylor passed the Minor examination of the Pharma-

ceutical Society in 1874 and the Major in the following year. He then joined the staff of Corbyn, Stacey & Co., and the results of his researches were published in the Year-books of Pharmacy. A few years later Mr. Naylor went to Hearson, Squire & Francis, who were then in Coleman Street, London, E.C., and when the business was converted into a limited company in 1899, he became one of the directors. He was a member of the Board of Examiners for a short time. Mr. Naylor always took great interest in the British Pharmaceutical Conference. He was appointed junior secretary in 1886, and four years later became secretary for eleven years. He thus served the Conference in a secretarial capacity for fifteen years, a period exceeded only by Professor Attfeld. Mr. Naylor's services were recognised by members of the Conference by a presentation to him at the Dundee meeting of 1902. He was president of the Conference in 1905 and 1906.

PERSONALITIES

MR. ERNEST J. GEORGE (Ernest J. George & Co.) has been elected president of the Walsall Rotary Club.

MR. J. GILLET, M.P.S. (secretary, N.E. Lancashire Branch of the Pharmaceutical Society) has been elected vice-president of Blackburn Rotary Club.

MR. F. R. ALDERWICK, managing director, Herbert Ferryman, Ltd., was recently appointed president of the Southampton Chamber of Commerce.

THE Honours List on the occasion of the King's birthday was published on June 2 and contains the names of the following: Mr. Harcourt Johnstone (parliamentary secretary, Department of Overseas Trade) becomes a Privy Councillor; Mr. Herbert Lightfoot Eason (president of the General Medical Council) a Knight Bachelor; Mr. G. P. Thomson (Professor of Physics, Imperial College of Science and Technology) Knight Bachelor.

MR. W. S. HOWELLS was re-elected president of the Pharmaceutical Society of Great Britain, and **MR. F. G. WELLS** was re-elected vice-president, at a meeting of the Council held at 17 Bloomsbury Square, London, W.C., on June 2. **MR. H. W. WALLIS** wrote asking to be relieved of his duties as treasurer and the Council accepted his resignation with regret and expressed the hope that Mr. Wallis would speedily be returned to good health. **MR. H. C. SHAW** was elected treasurer.



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.. CXXXIX JUNE 5, 1943 NO. 3304

The fact that goods made of raw materials short supply owing to war conditions are mentioned in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Essential Oils Scheme

THE introduction of the scheme for the importation and distribution of essential oils, details of which were given in our last issue (p. 557), brings to finality a long series of discussions between the Ministry of Food and representatives of the trade as to the most effective method of controlling supplies of essential oils in war-time. The scheme, as might be expected from the diverse nature and world-wide sources of the products concerned, is not a simple one, yet, on the other hand, every important aspect of the problem appears to be adequately covered. Reception of the scheme throughout the trade has been good, and it is generally considered that the Ministry of Food has shown a reasonable attitude towards the problems involved. It is also recognised that good work has been done by the Advisory Committee (see p. 567) which is composed of leading members of the essential oils trade, together with representatives of the business associations most concerned. From the declared objects of the scheme it can be seen that the principal advantages aimed at include fair distribution of all imported essential oils amongst consumers, the trades requiring the oils as raw materials, reasonable prices to users, and fair distribution of orders amongst Empire producers and shippers. The scheme also ensures that the best possible use will be made of import licences and, where oils from the United States are concerned, that

obligations attached to Lease-Lend goods will be scrupulously observed. It is also satisfactory to note that wherever possible normal channels of distribution will be maintained, a factor the importance of which from the post-war point of view can hardly be over-emphasised.

Supplies for Approved Users

The scheme is divided into two main sections, the first dealing with importation and the second with distribution. Under importation details are given of the methods whereby oils will be brought to this country from United States, Empire and foreign sources. Under distribution it is noted that the Ministry of Food will determine the proportions in which each variety of oil is to be divided amongst approved trades using essential oils, but no definition of an "approved trade" appears to be given in the scheme. No doubt in this connexion the Ministry will be guided by the Advisory Committee, and it will be interesting to note, for example, the position of a manufacturer of cosmetics who uses a not inconsiderable proportion of essential oils in the manufacture of his products. Obviously the Ministry of Food will not be in a position to decide by itself whether or not the manufacture of cosmetics should be "approved" for the purposes of the scheme and there are many who would consider the present greatly restricted supplies of such articles to be equally essential as, for example, certain flavours in foods or drinks. It is to be supposed, therefore, if and when decisions are made regarding the "approval" or otherwise of trades for the receipt of supplies of imported essential oils, that aspects of the problem other than purely food requirements will be considered.

Also included in the scheme are provisions to cover the cost of the administration by means of a fixed contribution to be added to prices, arrangements for maintaining a buffer stock of oils against possible supply difficulties, and a means of applying for compensation on grounds of hardship. Price margins at all stages will be determined by the Advisory Committee in agreement with the Ministry of Food. The scheme, which comes into operation on July 1 and which covers all essential oils purchased from abroad on and after that date, will not greatly affect retail chemists who will still, presumably, be able to buy small quantities of oils from their usual wholesalers, provided such oils are being imported. Chemists may, however, be expected to use the oils for essential purposes.

HORTICULTURE FOR THE RETAIL CHEMIST

by J. P. Byron, M.P.S., A.I.C.

XI.—Scientific Developments

AN attempt has been made in this series of articles to deal with those aspects of horticulture which are of particular interest to the retail chemist who is catering for a gardening public and who may also be a gardening enthusiast himself. Surveying the general field of horticulture, one cannot fail to note the considerable part which chemistry and allied sciences have already played. That they are destined to play an even greater part in the post-war years is beyond doubt. Scientific workers are reaching out ever more persistently in new directions in their search for more knowledge, and in this concluding article it may be appropriate to mention briefly a few of the more recent lines of investigation which are of particular interest to the chemist.

The Artificial Ripening of Apples.—This is an interesting instance of the way in which science is enabling us to imitate natural processes. It was for long a well-known fact that ripe apples stored with unripe apples hastened the ripening process in the latter. Now, the chemist tells us that gaseous ethylene, $\text{CH}_2:\text{CH}_2$ is exuded by the ripe fruit, and that it is this substance which accelerates the process, and it has, in fact, been used already in America on a commercial scale to hasten the ripening of stored fruit when the market is favourable. Conversely, the ripening can be delayed by storage in CO_2 . Sir Frederick Keeble in his delightful book "Science Lends a Hand in the Garden," commenting on ethylene ripening, exclaims "it would be interesting to know whether any proceeding of this kind could make outdoor tomatoes ripen in a bad year." One can easily imagine that such a product would quickly become a best seller in this country.

Plant Hormones.—Another remarkable achievement of the chemist and biologist is the production of what are popularly known as plant hormone substances. A large number such as phenyl acetic acid, naphthalene acetic acid, indole acetic acid, to name only three, have been the subject of much experimental work. It was early found, for instance, that a solution of indole acetic acid painted on tomato stems caused roots to grow, and it is both interesting and

significant that this same indole acetic acid is a constituent of urine and it may be that this and other hormone substances impart to farmyard manure some at least of its qualities as a builder of soil fertility. Research work on this aspect of soil fertility has already begun in America. One of the most extraordinary things about plant hormones is the enormous dilution at which they exert their effect—merely a few parts per million in some cases.

Hydroponics.—Another horticultural development of particular interest to the chemist is the system of soil-less culture or hydroponics developed in America to a large extent by Dr. Gericke. Briefly, there are three methods: (1) Water culture. (2) Surface culture with surface watering. (3) Gravel culture with sub-irrigation. In the water culture method, the plants, e.g. tomatoes, are grown on trays with a base made of wire-netting, on which the bedding—wool and peat moss—is laid. The bedding serves principally to exclude the light from the nutrient solution below. The plant roots go through the bedding and wire-netting to the solution below. Aeration and pH of the solution are also two important factors in addition to the composition of the solution.

In the sand culture method, the plants are bedded in sand and the nutrient solution is watered on. In gravel culture, or sub-irrigation culture, as it is sometimes called, the plants are grown in clean gravel or cinders in a tank into which the nutrient solution is pumped through an inlet at the bottom. The solution is aerated in the process and drains back into the supply tank. The nutrient solutions used for all three methods are, of course, made up of solutions containing the essential elements—nitrogen, potassium, phosphorus, calcium, magnesium and sulphur, together with trace elements, boron, zinc, manganese and iron.

Trace Elements and New Conceptions.—As was indicated by Dr. Elvidge in an earlier article, considerable advances have been made in the rapid quantitative estimation of trace elements, and this may lead to more exactitude in soil treatment than is the case at present. Already science is showing that the status of the soil can have a direct bearing, not only on plant life, but on animal

o, as witness the prevention of pine in
ep by the application of a cobaltic fer-
er to the pasture in cases where a defi-
ncy of this element is found to cause the
ase. Advancing along a parallel line of
ught, it has already been established that
iciencies in certain essential elements can
dispose plants to damage by spray mater-
which otherwise would be quite harmless
some striking experiments in this con-
ition have been carried out at the Long
ton Research Station, Bristol University.
s therefore not unreasonable to suppose
t deficiencies may similarly render plants
re susceptible to certain pests and dis-
es. In fact, this is sometimes the case,
heart rot in swedes caused by a defi-
cy of boron. There are those who, like
Albert Howard, go further and hold that
source of all pests and diseases is the
ure to recognise a fundamental principle
usbandry, viz., the need for an adequate
urn to the soil of animal and vegetable
dues, which it is claimed contain all the
ential mineral and biological factors
ecessary for healthy growth and disease-
stant plants. Certain it is that the pres-
endency is towards breed, selection
nutrition as the dominant factors alike
plant and animal health.

organo-mercurial Compounds.—In the
ted field of agriculture, one of the chem-
s outstanding contributions has been the
lution of the mercuric dusts for the con-
of seed-borne diseases in cereal crops.
juggling with alkyl and aryl radicles
ch he can introduce into the organo-
curial molecule almost at will, the chem-
is able to produce combinations which
ess the requisite fungicidal power, yet
sufficiently non-toxic to offer a practical
safe means of control of those diseases.
m the gardener's point of view, organo-
curial dusts are also of some interest
ause they effectively control pre-emer-
ce damping-off of seedlings—a disease
ch commonly attacks peas, causing gaps
the sowings which are often wrongly
tribed to the depredations of birds or
e.

These are but a few of the modern trends
horticultural practice, chosen for their
rest to the retail chemist. There is no
n to dwell at length on other revolution-
advances, such as the vernalisation of
l, a technique which our American and
sian allies have brought into being,
reby the rate of development of the
re plant is speeded up within the seed
f, or the doubling of the plant chromo-
es by treatment with colchicine, as a

result of which bigger and finer blooms may
be produced. Suffice it to say that science is
intruding ever more insistently into the
field of horticulture, sometimes confirming,
at others discarding, the empirical methods
of our forefathers, and as this process goes
on the well-informed retailer will be sought
more and more readily by the enlightened
gardener of today and tomorrow. It there-
fore behoves the retail chemist to keep
abreast of new developments just as he does
in the sphere of human dietetics and nutri-
tion, and so establish himself in an unassail-
able position as the gardener's friend and
adviser on all matters relating to plant
medicines and plant nutrition.

(This article concludes the series)

COMING EVENTS

Sunday, June 6

CATHOLIC PHARMACEUTICAL GUILD, Metro-
politan Cathedral Buildings, Brownlow
Hill, Liverpool, at 3 p.m. Annual
meeting.

Thursday, June 10

TEES-SIDE SECTION, ROYAL INSTITUTE OF
CHEMISTRY, Sparks' Café, 143 High
Street, Stockton-on-Tees, at 7 p.m.
Dr. G. Roche Lynch on "Some Medico-
Legal Experiences."

Friday, June 11

WEST HAM AND EASTERN DISTRICT AS-
SOCIATION OF PHARMACISTS, 43 West
Ham Lane, Stratford, at 7.30 p.m.
Discussion on proposed plan for phar-
macy.

NORTH LONDON PHARMACEUTICAL ASSOCIA-
TION, Manor House Hotel, Finsbury Park,
London, N.4, at 7 p.m. Discussion on
agenda for branch representatives' meet-
ing.

"C. & D." Quiz, No. 3.—The answers to the
questions given on p. 572 are: 1. Theophilus
Redwood. 2. Ovid, in *Medicamina formæ*. 3.
Sesame oil. 4. 1877 (chartered 1885). 5. Ung.
hydrarg. dil., B.P. (Add. 4). 6. Lotio benzoini,
B.P.C. 7. Dried bark of *Zanthoxylum ameri-
canum* or *Z. Clava-Herculis*. 8. The resinous
secretion on the fruits of *Damonorops sp* (rattan
palms). 9. 3,000 pounds of pepper (*inter alia*).
10. A four-spiked instrument, used for scarifying
poppy capsules in the production of opium.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held at 73 University Street, Belfast, on May 21. Mr. H. F. Moore (president) was in the chair. Others present were: Messrs. J. T. Nicholl (vice-president), C. Abernethy (treasurer), J. K. McGregor, W. C. Tate, J. Donaghy, J. Glendinning, J. Irwin, J. McDowell, J. W. Gray, J.P., J. E. Connor, J.P., J. F. Grimes, J.P., Dr. S. E. A. Acheson, Professor E. B. C. Mayrs, M.D., and the secretary (Mr. D. L. Kirkpatrick).

THE SECRETARY reported an increased entry of candidates in Preliminary Scientific and Final Qualifying examinations to be held in June. The following members of Council undertook to attend the examinations daily: *Monday*, Messrs. Abernethy and Nicholl; *Tuesday*, Messrs. Cowzer, Nicholl, and J. McDowell; *Wednesday*, Messrs. Tate and McGregor; *Thursday*, Dr. S. E. A. Acheson.—MR. KIRKPATRICK

reported that he had engaged Miss Kenne to help him with the work of the office. (On the motion of MR. GLENDINNING, seconded by MR. IRWIN, the secretary's action was approved.—MR. KIRKPATRICK read a letter of thanks from Mrs. Walsh in reply to the vote of sympathy sent to her on the death of her husband, Mr. Robert Walsh, who was for many years the auditor of the Council.)

The Council agreed that the certificates of Apprenticeship to a Pharmaceutical Chemist be granted to the following who had submitted certificates from the following bodies: *Senior examination, Ministry of Education, N.I.*—Mary Bernadette McDermott, Patrick Joseph Brogan, John Joseph FitzHarris, Donald Ciaran O'Neill, Ian Grant Cameron; *London Matriculation*—Robert Robinson, Robert Patterson. On the motion of MR. JAMES DONAGHY, seconded by MR. J. T. NICHOLL, Miss Joan Godfrey, 5 Glenbyrn Drive, Belfast, was elected a member of the Society.

ETHICS DISCUSSED AT PLYMOUTH

THE professional code of conduct was discussed by the Plymouth Branch of the Pharmaceutical Society at a meeting held recently, when a number of resolutions were passed. The first was "That the words 'or implying' should be inserted after 'to the public claiming' in rule 1" (about advertising). This would, it was held, stop "Prescriptions accurately dispensed" advertisements, implying that other chemists did not dispense accurately. "That in rule 2 there should be inserted a clause, 'advertising the amount of dispensing or the number of prescriptions dispensed'" was the next recommendation. A resolution was also passed that it would be much better to abandon rules 1 and 2, and substitute one new rule, viz. "That a chemist should not advertise medicines or the dispensing of medicines." This would avoid many difficulties and would place pharmacists on a par with doctors and dentists in the matter of advertising. Under rule 9 it was suggested the Society should make an endeavour to obtain a *quid pro quo* from doctors. Doctors should not impair the confidence of a patient in the dispensing of any chemist by advice to have a prescription dispensed at a specific pharmacy. A letter was read from the

Pharmaceutical Society stating that it did not consider the giving of dividend to co-operative societies on dispensing as "prize or gift" or as "undercutting." The Society was resolved to inquire on what ground the Society made this statement, considering that the giving of dividend on N.H. prescriptions was held as a "prize or gift." On private prescriptions, it was argued, should be on the same footing. The meeting agreed that rules 11 and 12 were useless if not operative on a portion of members or bodies corporate. It was urged that the words "closely" should be inserted after "supervise" in rule 14. It was suggested that rules 15 and 16 should not be operative during the war. It was recommended that the Council should contact the Registrar of Trade Names, so that the Council's approval might be given before manufacturers registered names. It was urged that, to safeguard members, two clauses should be added to rule 19, as follows: (a) "Subject to all the members of the Council being engaged solely in pharmacy"; (b) "that the reason be publicly stated." Finally, the hope was expressed that the Society would enforce the Pharmacy and Medicines Act in respect of "cheap jacks" and street vendors.

THE SECRETARY ON ASSUMPTION B

DR. HUGH N. Linstead, O.B.E., M.P. (secretary of the Pharmaceutical Society) formed a questioner at North London on May 19 that, in the event of a right-left split in pharmacy, he would move in a left direction slowly. He was speaking at the annual meetings of the North London Pharmaceutical Association and local branches of the Pharmaceutical Society and National Pharmaceutical Union, at which about 120 members were present.

Chairman's Address and Election of Officers

THE CHAIRMAN (Mr. L. Hayward) reviewed the work of the session, which, he said, had been a particularly active one. In addition to the usual meetings, a series of post-graduate lectures on the pharmacology of the newer drugs had been given. Dr. Boyes to about fifty members. Several classes occupying four hours weekly had been or were being attended by members who belonged to the Pharmaceutical Corps. The officers elected were: Messrs. L. Hayward, *President and Chairman*; N. Booth, *Vice-chairman*; L. C. Cooks, *Treasurer*; and A. E. Footitt, *Hill Rise, Potters Bar, Secretary*. Dr. Dewar was appointed to the *Committee*.

Pharmacists and the Medical Service

Mr. H. N. Linstead gave his address, the title of which was "The Pharmacist's Place in a National Medical Service." He said pharmacists must face definite changes in the country's medical service by the end of the war; in the meantime, definite Government action was awaited on Assumption B. Planning appeared to provide a subconscious relief to the "untidiness" of the day, but to be effective it must relate to hard facts. Pharmacy would be presented with an opportunity to rehabilitate itself. It seemed possible that a separation of prescribing and dispensing would be brought out for economic reasons, and in the early stages health centres might function in large houses in towns. The question for pharmacy to decide was whether dispensing could be done in existing pharmacies or in the health centres. The wishes of the public must be taken into account, and he thought they showed an affection for the chemist's shop. Pharmacy ought, he considered, to be able to supply all requirements through its existing services. He foresaw danger of extended National Health Insurance leading to a gradual

discontinuance of shop dispensing unless pharmacy was provided with certain safeguards. If twice the amount of N.H.I. dispensing was to be done, dispensaries must be improved. Pharmacists who expected to be paid more for a better service should provide that better service now in order to deserve more. He would like to see a retaining fee paid to pharmacists who were to provide the service, and he visualised a Pharmacy Commission appointed by the Minister of Health to control all dispensing facilities and the opening of new shops. If this were not done, they would have local authorities and co-operative societies extending their establishments. Twenty-four-hour service was essential; this could be done by resident pharmacists or through a jointly-owned dispensary in each area. Although control was irksome, pharmacists must be prepared for some form of inspection under an extended State service. At present pharmacists were not all of one mind on the form of service they wished to have. Full discussions and criticisms were necessary, but if they resulted in a split in their camp then the Government would make its own decisions. The report of the planning committee was a preliminary step, and before any final agreement was made with the Government the Society and N.P.U. would report to their branches.

Right or Left

In discussion which followed, Mr. ATKINSON said that employees saw little opportunity of becoming proprietors, and generally favoured a State service and security.

Mr. ROSS-MANSELL feared the exploitation of pharmacy by the companies, and would welcome a change in company law.

Mr. DAVIS here asked Mr. Linstead about his position in the event of a right-left split in pharmacy. Mr. Linstead's full reply was that if such a disaster should occur it would present a definite opportunity to the Ministry. They could all see the trend of events, but he would move in a left direction slowly.

Mr. ARMITAGE hoped that the men in the Forces would be given an opportunity to state their opinions.

Mr. BOOTH said Mr. Linstead's remarks had been realistic and forthright. The public, he thought, would express its opinion through the machinery of the elections.

PRICES OF OILS AND FATS

THE Ministry of Food announces the following prices for oils and fats allocated to primary wholesalers and large trade users for the four weeks ending June 26.

| Oils | Per ton, naked ex works, unless otherwise stated |
|--|---|
| | £ s. d. |
| Coconut, crude | 36 12 6 |
| " crude oleine | 36 12 6 |
| Palm kernel, crude | 36 0 0 |
| " oleine | 36 0 0 |
| Cottonseed, crude | 39 12 6 |
| " washed | 42 15 0 |
| Groundnut | } crude 44 0 0 |
| Sunflower | |
| Sesame/benniseed | } 44 0 0 |
| Maize | |
| Linseed, crude | 50 0 0 |
| Rapeseed, crude | 58 0 0 |
| Castor, crude, firsts | 92 0 0 |
| " seconds | 90 0 0 |
| Palm, softs | 29 15 0 |
| " semis | (per ton, c.i.f., in casks to be returned) 29 5 0 |
| " hards | (per ton, c.i.f., in loan drums) 28 5 0 |
| " Lagos | per ton, c.i.f., in bulk S.O.G.P.A. contract No. 21) |
| " Red Sherbro | 37 10 0 |
| Herring, crude | (per ton, c.i.f., naked) 40 10 0 |
| " | (per ton, c.i.f., packages included) 39 0 0 |
| Sperm, crude head | 39 0 0 |
| " blubber | 39 0 0 |
| " carcase | 37 0 0 |
| " No. 3 | 36 0 0 |
| Whale, crude No. 1 | drums included 39 0 0 |
| " No. 2 | 37 10 0 |
| " No. 3 | 34 10 0 |
| " No. 4 | 26 10 0 |
| " Above prices are per ton, naked ex store | |
| " hardened up to 42° | 39 0 0 |
| " " " 46°-48° | 39 10 0 |
| " " " 50°-52° | 40 0 0 |
| " " " 54° | 40 10 0 |
| " " " iodine value 3-5 | 40 10 0 |
| Acid oils, coconut and/or palm kernel | 31 0 0 |
| " cotton black grease | 16 10 0 |
| " cotton ex washed | 26 10 0 |
| " groundnut and/or sesame and/or benniseed | 27 10 0 |
| " sunflower | 25 10 0 |
| " soya | 25 10 0 |
| " whale oil | 26 10 0 |
| " whale oil hardened | 28 15 0 |
| " palm oil | 24 0 0 |
| " cocoa butter | 24 0 0 |
| " maize | 25 10 0 |
| " tallow | 28 10 0 |
| " mixed soft | 27 10 0 |
| " mixed ex hardened oils | 28 10 0 |
| " mixed ex margarine and compound refineries | 24 10 0 |

| Oils | Per ton, naked ex works unless otherwise stated |
|--|---|
| | £ s. d. |
| Acid oils, hard and coconut/palm kernel mixed | 30 10 0 |
| " " vegetable oil residues | 16 0 0 |
| " " soapstock—prices same as that of the equivalent acid oil on the basis of fatty matter. | |
| Imported tallows; non-edible:— | |
| Australasian prime mixed | 33 0 0 |
| Good colour mixed | 32 15 0 |
| Fair to good colour mixed | 32 5 0 |
| Fair colour mixed | 31 15 0 |
| Good guts | 31 5 0 |
| Mediums | 30 15 0 |
| Low | 30 5 0 |
| No colour | 30 5 0 |
| Above prices are per ton, c.i.f., basis | casks or drums |
| If in barrels or tierces, £1 15s. per | ton extra. |
| South American No. 1 | 34 15 0 |
| " No. 2 | 33 0 0 |
| Above prices are per ton, c.i.f., in barrels or tierces duty paid. | |

The above prices do not include refined oils and imported edible animal fats, price of which, the Ministry of Food announce will be issued in future for each ration period of eight weeks. The prices of the refined oils and imported edible animal fats during the eight weeks period, May 1 to July 24, are:—

| Oils | Per ton, naked ex works, unless otherwise stated |
|--|--|
| | £ s. d. |
| Coconut, refined deodorised | 49 0 0 |
| " " hardened deodorised | 53 0 0 |
| Palm kernel, refined deodorised | 49 0 0 |
| " " hardened deodorised | 53 0 0 |
| Cottonseed, refined edible | 57 0 0 |
| " " deodorised | 58 0 0 |
| Groundnut | } refined deodorised 58 0 0 |
| Sunflower | |
| Sesame/benniseed | } 58 0 0 |
| Soya bean | |
| Maize | } 58 0 0 |
| Groundnut, refined hardened deodorised | 62 0 0 |
| " to 40° | 62 0 0 |
| " refined hardened deodorised | 63 0 0 |
| " 50° to 52° | 55 0 0 |
| Palm, refined deodorised | 58 0 0 |
| " hardened deodorised | 58 0 0 |
| Whale, refined hardened deodorised up | 51 0 0 |
| " to 42° | 51 0 0 |
| " hardened deodorised 46° | 52 0 0 |
| " to 48° | 52 0 0 |
| Imported animal fats:— | |
| Empire stearine | 60 0 0 |
| Empire edible tallow | 50 10 0 |
| Above prices are per ton, c.i.f., basic | casks or drums |
| If in barrels or tierces £2 5s. per | ton extra. |
| South American stearine | 65 0 0 |
| " premier jus | 51 15 0 |
| " oleo oil | 65 0 0 |
| Above prices are per ton, c.i.f., in barrels or tierces duty paid. | |

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, June 2

No important developments have occurred in the London drug and chemical markets during the past week. Business has remained exceedingly quiet, but prices of most items are quite firmly maintained. The scheme for the importation and distribution of essential oils, details of which were given last week (p. 557), has been quite well received by the trade. The new arrangement does not affect existing stocks of essential oils, and no movements in prices of these articles are immediately anticipated. It is possible, however, that when the "scheme" becomes available at lower prices, some of the present high quotations may show a tendency to fall. Only one change of importance has occurred in PHARMACEUTICAL CHEMICALS, an advance of fourpence per lb. in both powdered and crystalline IODOFORM; prices of other iodine preparations are unchanged.

Crude Drugs

Very few changes have occurred in this category of the markets. Business has remained slow, but the price position is firm throughout. Some discussions have occurred in the market with regard to AGAR, and prices are reported of material for bacteriological use at a lower figure than that quoted lately. ALOES has again been in fair inquiry and no price changes are recorded. It is understood that holders of BENZOIN have been asked for returns of stocks and requested to reserve existing supplies for the manufacture of B.P. preparations. Further more inquiry has been received for ERGOT, but sound material is in short supply. Demand for GUM ACACIA remains good, but spot supplies are poor. Firm quotations obtain for IPECACUANHA, but prices are without quotable change. Plenty of inquiries are being received for MENTHOL, but sales for consumption are not large. GUBARB continues to sell rather well at the mentioned prices.

Essential Oils

The position of essential oils has shown practically no change during recent weeks. Prices of available stocks have become more or less stabilised and noteworthy

fluctuations are few. The Ministry of Food has issued a list of prices for oils and fats allocated to primary wholesalers and large trade users for the four weeks ending June 26; details will be found on p. 584. Spot supplies of ANISE (STAR) are now extremely difficult to find and the high prices ruling of late show no tendency to fall. English CEDARWOOD may still be had on spot, but the price is considerably higher than that usually quoted for imported oil. CITRONELLA remains in good demand. English distillers' prices for CLOVE are unchanged. PEPPERMINT is exceedingly scarce and high prices would be paid for any available supplies.

Exchange Rates on London

During May there were no modifications in the principal currency values in London. The main Bank of England fixed rates interesting the drug and chemical trades are: New York, 4.03 dollars; Montreal, 4.45 dollars; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner. Among free rates the Madrid peseta continues at 40.50 to the £ and the Chinese national dollar is valued at 36½d.

Pharmaceutical Chemicals

ACETANILIDE.—Supplies are stated to be adequate. Price would be in the region of 2s. 5d. per lb.

ASPIRIN.—Makers' prices per lb. for quantities of 28 lb. to 1 cwt. are as follows (containers in brackets): 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.). Prices net one month.

BROMIDES.—POTASSIUM is priced by makers at the following rates per lb. (containers in brackets): 3s. 5½d. (1-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2½d. (14-lb.); 3s. 1½d. (28-lb.). SODIUM, ¾d. per lb. extra; AMMONIUM, 2½d. per lb. extra; powder, 2d. per lb. extra. W.D.T.A. packing charge applies to packages of less than 1 lb.

CALCIUM GLUCONATE.—Present prices per lb. are as follows: 14 lb., 3s. 5d.; 28 lb., 3s. 2d.; 56 lb., 3s. 1d.; 1 cwt., 2s. 11d.

GALLIC ACID.—Supplies are restricted with price firm at about 8s. to 8s. 3d. per lb.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.); HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Makers announce an advance for IODOFORM. New rates are as follows: IODOFORM POWDER, B.P., 28 lb., 12s. 10d.; 14 lb., 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. Prices of other iodine preparations are unchanged.

MERCURY IODIDES.—Details of makers' prices were given last week (p. 561).

METHYL SALICYLATE.—Makers' prices are as follows: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—Makers' current rates are as follows: Less than 7 lb., 4s. 6d.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

SALICYLIC ACID.—Current rates per lb., in lots of 28 lb. to 1 cwt., are as follows (containers in brackets): 2s. 6d. (1-lb.); 2s. 4½d. (4-lb.); 2s. 3½d. (7-lb.); 2s. 3d. (14-lb.); 2s. 2½d. (28-lb.). Prices net one month.

Crude Drugs

AGAR.—It is understood that some agar has recently been sold for bacteriological purposes at 30s. per lb. The more usual price, however, remains at from 65s. to 70s. per lb. for Kobe No. 1.

ALOES.—Cape has again been in some request; spot price is unchanged at 72s. 6d. per cwt. Curaçao, spot, 475s. per cwt.

ANTIMONY.—Price of English minimum 99 per cent. regulus is unchanged at £120 per ton, delivered; 70 per cent. crude for the home trade, £100 per ton, delivered.

BALSAMS.—Steady and without quotable change. *Tolu*, softish, 11s. 6d. per lb. *Canada*, 10s. 3d. per lb. *Peru*, steady at 8s. 6d. per lb. No supplies of *Copaiba*.

BELLADONNA.—Indian leaf may be had on spot at 4s. 9d. to 5s. per lb., according to test. Indian root, spot, 435s. to 475s. per cwt., according to test.

BENZOIN.—Fair quality Sumatra block continues to be quoted at £22 10s. on spot. Free "almonds," spot, £32 per cwt., ex store.

BISMUTH METAL.—High-grade metal, in minimum 5-cwt. lots, continues to be quoted at 6s. 3d. per lb.

BUCHU.—Position unchanged, with no spot supplies available.

CAMPHOR.—Occasional spot sales of Chinese are being made to approved buyers at last-mentioned prices: Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s.

CARDAMOMS.—Quiet conditions obtain, with no quotable price changes. Aleppy seed, spot, 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy greens, spot, 5s. 6d.; shipment, 5s. 9d.; split seed, spot, 5s. 6d. per lb.

CASCARA SAGRADA.—No lack of inquiries, but supplies are not available. It is reported that a small parcel found in second hands was recently sold at 290s. per cwt.

CHILLIES.—Steady and unchanged. *Mo basa*, spot, 100s. per cwt.; *Zanzibar* are on offer.

CLOVES.—Price of *Zanzibar* stands at previous level of 1s. 6½d. per lb. on spot second quality, to arrive, 1s. per lb., c.i.f.

COCOA BUTTER.—Maximum official price 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

COCONUT (DESICCATED).—Maximum selling price fixed by Ministry of Food Order is 4 per cwt.

DIGITALIS LEAVES.—Portuguese leaves offered on spot at 135s. per cwt., ex store. English-grown leaves, in less plentiful supply 2s. 6d. per lb. on spot.

DRAGON'S BLOOD.—Supplies of dull *Zanzibar* drop may be had on spot at £21 per cwt.; other varieties are available.

ELEMI.—No. 1 gum, in small compass spot, is offered at 330s. per cwt.

ERGOT.—Rather more inquiry this week. With parcels gradually disappearing and further supplies coming in, stocks are becoming less plentiful. The present spot price of worst material remains at 4s. 9d. to 5s. 3d. per lb. according to condition.

GUM ACACIA.—Demand remains good but supplies are still short. *Kordofan* cleaned sort, spot, 110s. per cwt.; near-at-hand parcels 87s. 6d., landed terms. Bleached, afloat, 150 per cwt., c.i.f.

HENBANE.—Spot price of East Indian remains at 2s. 9d. per lb.; Russian, 350s. per cwt.

IPECACUANHA.—Firm, with prices not quotable different from those given last week. *Matto Grosso*, spot, 21s. 6d. per lb. *Mina B.P.*, spot, 18s. 6d. per lb., if available; and *B.P.* standard, 17s. to 17s. 6d. per lb., according to test. Current prices of *EXT. IPECACUANHA* are as follows: *Winchesters*, B.P., 193 under three, 30s. 6d. per lb.; three and under six, 30s.; six and under twelve, 29s. 6d. twelve and over, 29s. B.P., 1914, under three, 28s. 6d.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 27 per lb.; all prices quoted are on a net basis.

JABORANDI.—Unchanged. Dealers would require 60s. per cwt. for any small available spot supplies.

JALAP.—Dealers are asking 95s. per cwt. for Brazilian testing 13 per cent.

KAMALA.—Material yielding 5 per cent. as continues to be quoted on spot at 1s. 9d. per lb.

MENTHOL.—Rather more inquiry but home consuming trade quiet. It is doubtful if any spot supplies remain at under 90s. per lb.

MERCURY.—Controlled values unchanged £68 10s. to £69 15s. per bottle for quantities over 7 lb.

MYRRH.—Aden sorts are obtainable on spot at £20 per cwt., and picking at £10.

NUTMEGS.—West Indian, wormy and broken

ot, 1s. 7d. per lb.; sound unsorted, spot, 10d.

NUX VOMICA.—Ordinary small spot business ssing. Washed and garbled Cochin may be d at 42s. 6d. per cwt., and Cocanada at s. 6d.; shipment, Cochin, 38s., c.i.f.

ORANGE PEEL.—Dealers' price for bitter arters would be 3s. 3d. per lb.

PAPAIN.—Nominal on spot at 17s. 6d. per lb.

PEPPERS.—Maximum prices of whole, not cked over or cleaned, on sale to processors, e 1s. 4d. per lb. for white, and 1s. per lb. for ck, both duty-paid.

PIMENTO.—Spot, unchanged at 1s. 9½d. per ; shipment prices are not quoted.

PODOPHYLLUM.—Spot price of *Emodi* would nominal at 87s. 6d. per cwt., with supply fcult.

PSYLLIUM SEED.—Indian seed, spot, 1s. 3d. r lb., ex store.

QUILLATA BARK.—Spot, crushed or cut, 110s. f cwt.; natural, afloat, 80s., c.i.f.

RHUBARB.—Fair demand received. Rough- und, spot, 7s. 9d. to 8s. per lb., with the mer reported somewhat wormy; flat high- ed, rough-coat, 8s. Shensi, small lots at s. per lb.

SAPONIN.—Quoted on spot at 7s. 6d. per lb., store.

SEEDS.—Quiet conditions continue, with no ce movements to record. **CORIANDER.**— dian offered at 95s. per cwt., sellers. **CUMIN.**— Maltese, spot, 125s.; Indian, 115s.; English, os. **DILL.**—Quoted at 180s. **FENNEL.**— minal at 95s. **FENUGREEK.**—May be had 90s. **MUSTARD.**—Controlled prices are changed. (C. & D., November 28, 1942, 566).

SENNA.—Quiet trade passing at unchanged es. Tinnevely No. 1, 9d. to 10d. per lb.; . 2, 7d. to 7½d.; No. 3, 5½d. to 6d. Alexan- an broken, 1s. 3d. to 1s. 4d. Good hand- ked Tinnevely pods, 11d. to 1s. 2d.; ordi- y grade, 10d. to 11d.; manufacturing, to 7½d. Hand-picked Alexandrian pods, 6d. to 6s., as to quality.

SQUILL.—Spot price of Portuguese bulk is ady at 95s. per cwt., and that of Indian at

STRAMONIUM LEAVES.—Indian leaves are orted by dealers at 105s. per cwt., on spot.

STROPHANTHUS.—Dealers' price for small ot supplies of 100 per cent. Kombé seed ains at 10s. 6d. per lb., but larger parcels ould be at lower rates.

TRAGACANTH.—Current prices for the prin- al medium grades are steady, as follows: . 1, white, £130 per cwt.; No. 2, white, 5; No. 3, white, £102; No. 4, white, £83; e leaf, £73; amber leaf, £65; dark amber, e; brown leaf, £45; red-and-brown leaf, £38; e leaf, from £32; light hoggy, from £17; dy and dark hoggy, £12.

TURMERIC.—Sales are slow; prices un- nged. Madras finger, sound-quality, 60s. cwt., on spot; wormy, half-a-crown less.

VALERIAN ROOT.—Indian root may be had from dealers at 105s. per cwt., ex store.

WAXES.—Firm, but values are unchanged. **CARNAUBA.**—Fatty grey and chalky grey, spot, both 430s. per cwt.; Primeira, 520s., nominal. **BEES.**—Supplied only through the Association of Merchant Distributors of Beeswax.

Essential and Expressed Oils

ANISE (STAR).—Demand remains fair, but spot supplies are no easier to find. Drums, if available on spot, would cost about 55s. per lb., and tins in cases about 56s.

BAY.—In restricted supply, with price for any available small lots steady at about 12s. 6d. per lb.

BOIS DE ROSE.—About 47s. per lb. would be wanted for any small available spot supplies.

CEDARWOOD.—English oil, steady at around 16s. per lb.; imported, if available, about 8s. to 9s. per lb.

CINNAMON LEAF.—In small compass on spot at approximately 15s. to 16s. per lb.

CITRONELLA.—Request continues, but supplies are restricted. Java, spot, 22s. to 24s. per lb.; Ceylon, 19s. to 20s.

CLOVES.—English distillers' prices are with- out change at around 14s. per lb.

CROTON.—Quoted on spot at 9s. 6d. per lb.

EUCALYPTUS.—Demand remains fair, but supplies are not plentiful. Spot, 70 to 75 per cent., from 5s. 6d. to 5s. 9d. per lb.

FIXED OILS.—Details of prices for oils and fats allocated to primary wholesalers and large trade users for the four weeks ending June 26 are given on p. 584.

GINGERGRASS.—Small quantities may be had from dealers at about 22s. 6d. per lb.

LAVENDER.—Good-quality oil, if available on spot, would be worth about 90s. per lb.

LEMONGRASS.—Spot supplies may be had from dealers at from 15s. to 16s. per lb.

PALMAROSA.—Spot supplies are small; price in the region of 32s. 6d. to 35s. per lb.

PATCHOULI.—About 75s. per lb. would be the spot value of any available good-quality oil.

PENNYROYAL.—About 40s. per lb. would represent the spot price, if available.

PEPPERMINT.—Occasional spot orders are being filed, but supplies of Eastern oils are becoming even harder to find. Price, if available, would be about 92s. 6d. per lb.

PETITGRAIN.—Small spot supplies would be worth about 25s. per lb.

ROSEMARY.—Spot, approximately 16s. per lb., if available.

SPEARMINT.—Spot price would be about 40s. per lb.

SPIKE.—If available on spot would be worth about 32s. 6d. per lb.

THYME.—High-quality, on spot, is valued at about 25s. per lb., but lower-phenol-containing oils would be cheaper.

PRICE LIST

OF MEDICINAL PROPRIETARIES SOLD OVER THE CHEMIST'S COUNTER

| Item | Trade price per doz. | Purchase tax per doz. | Inclusive retail price each | Item | Trade price per doz. | Purchase tax per doz. | Inclusive retail price each |
|------------------------------|----------------------|-----------------------|-----------------------------|---------------------------|----------------------|-----------------------|-----------------------------|
| | s. d. | s. d. | s. d. | | s. d. | s. d. | s. |
| Kalzana powder .. | 39 4 | 6 7 | 5 6 | Kearsley's Widow | | | |
| tablets .. | 22 0 | 3 8 | 3 1 | Welch's pills .. | 9 0 | 1 6 | 1 |
| Kamillosan liquid .. | 39 4 | 6 7 | 5 6 | | 23 0 | 3 10 | 2 1 |
| | 22 6 | 3 9 | 2 10 | Keene's cold cure .. | 9 0 | 1 6 | 1 |
| | 38 3 | 6 5 | 4 9½ | corn cure .. | 11 3 | 1 10½ | 1 |
| | 99 0 | 16 6 | 12 4½ | Kem-Maltol .. | 20 9 | 3 5½ | 2 |
| ointment .. | 13 6 | 2 3 | 1 8½ | | 39 6 | 6 7 | 4 1 |
| ointment, with benzocaine .. | | | | Kemnos ointment .. | 10 10 | 1 9½ | 1 |
| suppositories .. | 22 6 | 3 9 | 2 10 | Kephaldol tablets .. | 11 3 | 1 10½ | 1 |
| Kandu liquid .. | 40 6 | 6 9 | 5 1 | | 27 0 | 4 6 | 3 |
| | 12 0 | 2 0 | 1 5 | Killcorn .. | 9 0 | 1 6 | 1 |
| | 28 9 | 4 9½ | 3 5 | plaster .. | 9 0 | 1 6 | 1 |
| | 48 0 | 8 0 | 5 8 | Kinhlor .. | 10 0 | 1 8 | 1 |
| tablets .. | 11 4 | 1 10½ | 1 5 | Klenza powder .. | 8 0 | 2 8 | 1 |
| | 27 6 | 4 7 | 3 5 | Klimax tablets .. | 27 0 | 4 6 | 3 |
| Kaomin .. | 29 5 | 5 0 | 3 11 | K. L. M. cough cure .. | 10 0 | 1 8 | 1 |
| | 105 0 | 17 6 | 13 11½ | influenza mixture .. | | | |
| Kaosorb .. | 27 6 | 4 7 | 3 6 | throat specific .. | 10 6 | 1 9 | 1 |
| | 112 6 | 18 9 | 14 1 | Lacto-creosote .. | 10 6 | 1 9 | 1 |
| -ol .. | 46 0 | 7 8 | 5 9 | Knox's (Dr.) cold cure .. | 54 0 | 9 0 | 6 |
| | 189 0 | 31 6 | 23 8 | Koladyne .. | 18 0 | nil | 2 |
| suspension .. | 126 0 | 21 0 | 15 9 | Kolpon bougies .. | 32 0 | nil | 3 |
| Karmoid tablets .. | 11 3 | 1 10½ | 1 5 | | 180 0 | nil | 20 |
| | 27 0 | 4 6 | 3 4½ | tablets .. | 18 0 | nil | 2 |
| Karsodrine inhaler .. | 12 3 | 2 0½ | 1 6 | | 45 0 | nil | 5 |
| Karsote inhalant .. | 9 6 | 1 7 | 1 2 | | 270 0 | nil | 30 |
| | 14 3 | 2 4½ | 1 9 | Kompo .. | 10 6 | 1 9 | 1 |
| | 22 0 | 3 8 | 2 9 | Koray tablets .. | 9 0 | 1 6 | 0 |
| powders .. | 2 3 | 0 4½ | 0 2 | | | (unit of 48) | |
| | (box of 24) | (box) | (each) | | 4 6 | 0 9 | 0 |
| vapour rub .. | 5 9 | 0 11½ | 0 8½ | | 11 3 | 1 10½ | 1 |
| Karvol .. | 64 2 | 11 3 | 2 10 | | 22 6 | 3 9 | 2 1 |
| Kasbah kidney cure .. | 7 6 | 1 3 | 1 1½ | Kotalko .. | 45 0 | 45 0 | 8 |
| Kaye's Worsdell's pills | 11 3 | 1 10½ | 1 5 | soap .. | 13 6 | 4 6 | 1 |
| | 27 0 | 4 6 | 3 4½ | Kreozone .. | 11 3 | 1 10½ | 1 |
| | 45 0 | 7 6 | 5 7½ | | 27 0 | 4 6 | 3 |
| Kaylene .. | 27 6 | 4 7 | 3 6 | Kruschen salts .. | 4 9 | 0 9½ | 0 |
| Kaylene dulcis .. | 112 6 | 18 9 | 14 1 | | 9 6 | 1 7 | 1 |
| Lax .. | 38 6 | 6 5 | 4 10 | | 16 6 | 2 9 | 2 |
| | 207 6 | 34 7 | 26 0 | Kubol tablets .. | 10 0 | 1 8 | 1 |
| mint .. | 34 0 | 5 8 | 4 3 | Kuranol ointment .. | 27 0 | 4 6 | 3 |
| | 182 6 | 30 5 | 22 10 | suppositories .. | 26 6 | 4 5 | 3 |
| -ol .. | 46 0 | 7 8 | 5 9 | Kutnow's powder .. | 13 6 | 2 3 | 1 |
| with phenolphthalein .. | 50 0 | 8 4 | 6 3 | Kymol pastilles .. | | | |
| saline .. | 25 0 | 4 2 | 3 2 | | | | |
| | 166 6 | 27 9 | 20 10 | L | | | |
| suspension .. | 126 0 | 21 0 | 15 9 | Lacteol tablets .. | 30 0 | 5 0 | 3 |
| Kaylenema .. | 11 3 | 1 10½ | 1 5 | Lactevan .. | 30 0 | 5 0 | 4 |
| | 22 6 | 3 9 | 2 10 | | 36 0 | 6 0 | 5 |
| | 94 6 | 15 9 | 11 10 | Lactobyl .. | 25 0 | 4 1 | 3 |
| Kay's linseed compound .. | 11 3 | 1 10½ | 1 5 | | 222 0 | 35 8 | 30 |
| mountain-flax pills .. | 27 0 | 4 6 | 3 5 | Lactomagnesia .. | 8 7 | 1 6 | 1 |
| tic pills .. | | | | | 15 0 | 2 8 | 2 |

| Item | Trade price per doz. | Purchase tax per doz. | Inclusive retail price each |
|--|-------------------------------|--------------------------------|-----------------------------|
| Actomaltine .. | s. d. 13 0 | s. d. nil | s. d. 1 7 |
| Actopeptine powder tablets | 21 0 11 3 27 3 107 6 | nil 1 10½ 4 6½ 17 11½ | 2 8 1 4 3 3 13 0 |
| Alkala cigarettes | 12 7 | 2 1 | 1 6½ |
| papers | 26 5 12 7 26 5 51 8 | 4 8½ 2 1 4 8½ 8 7 | 3 2 1 6½ 3 6 6 2½ |
| Amplough's saline | 13 6 22 6 | 2 3 3 9 | 1 8 2 10 |
| And's rosebud liniment | 12 0 | 2 0 | 1 6 |
| And's catarrh cure | 10 3 24 6 | 1 9 4 1 | 1 3 3 0 |
| Angdale's essence of cinnamon tablets | 11 0 | 2 0 | 1 4 |
| essence of peppermint tablets | 27 0 44 0 | 5 0 8 0 | 3 3 5 4 |
| Arno-Cyllin ointment | 7 0 36 0 | 1 2 6 0 | 1 1 4 6 |
| Asosyl .. | 20 3 36 0 | 3 4½ 6 0 | 2 6 4 6 |
| Bactic pills | 18 0 | 3 0 | 2 3 |
| Bostidin ampoules | 60 0 224 0 | 10 0 37 4 | 8 4 31 1½ |
| Bucelle's pills | 15 0 34 0 | 2 6 5 8 | 2 0 4 6 |
| Buka ointment | 12 0 | 2 0 | 1 8 |
| Bucobac .. | 2 3½ (box of 48) | 0 4½ (box) | 0 1 (each) |
| Bath & Ross homoeopathic pilules and tinctures | 5 6 11 0 | 0 11½ 1 10 | 0 10 1 8 |
| Biderm ointment | 36 0 | 6 0 | 4 6 |
| Biontona .. | 20 3 | nil | 2 3 |
| Biva .. | 10 6 27 0 42 0 | 1 9 4 6 7 0 | 1 4 3 4 5 6 |
| Bron Pulvules | 58 10 113 5 | 10 0 19 0 | 7 10 15 1 |
| ferrous Pulvules | 113 5 567 0 | 19 0 94 6 | 15 4 75 4½ |
| Boricine .. | 11 0 16 9 | 1 10 2 9½ | 1 5 2 3 |
| Bone lotion | 24 0 | 4 0 | 3 3 |
| Boston phosphate | 18 0 | 3 0 | 2 3 |
| Betus B.E.C. | 31 6 58 6 | 5 3 9 9 | 3 11 7 4 |
| Bleemin solution | 100 0 | nil | 12 6 |
| Bon ointment pills | 10 0 24 0 38 6 | 1 8 4 0 6 5 | 1 3 3 0 5 0 |
| Bufruta .. | 10 6 26 0 42 0 | 1 9 4 6 7 0 | 1 4 3 3 5 4 |

| Item | Trade price per doz. | Purchase tax per doz. | Inclusive retail price each |
|---|--------------------------|-----------------------|-----------------------------|
| Liquor Diostos | s. d. 94 6 | s. d. 15 9 | s. d. 11 10 |
| Liquor pancreaticus (Benger) | 28 10 52 10 100 10 | 4 10 8 10 16 10 | 3 5 6 3 11 11 |
| pepticus (Benger) | 33 8 62 5 120 0 | 5 7½ 10 5 20 0 | 4 0 7 4½ 14 2 |
| Listerine antiseptic | 12 10 25 8 47 0 | 2 1½ 4 3½ 7 10 | 1 8 3 4 6 2 |
| Little Victor inhaler (all-metal model) | 10 6 27 0 | 1 9 4 6 | 1 5 3 4½ |
| (recharging fluid for all-metal model) | 18 0 | 3 0 | 2 3 |
| Litto Alopecoid | 96 0 160 0 | 32 0 40 0 | 12 8 15 10 |
| outfit | 48 0 | 16 0 | 7 4 |
| Patchoid | 114 0 | 26 0 | 11 8 |
| outfit | 20 0 | 6 8 | 3 0½ |
| Sebacoid | 36 0 | 12 0 | 5 6 |
| Liver-concentrate | | | |
| Glanules | 119 3 222 9 429 9 | nil nil nil | 13 3 24 9 47 9 |
| Livertone tablets | 10 0 | 1 8 | 1 5 |
| Livura .. | 28 0 | 4 8 | 3 3 |
| Lixen elixir | 16 10 29 5 | 2 9½ 4 10½ | 2 3 3 11 |
| lozenges | 12 7 | 2 1½ | 1 8 |
| pastilles | 11 3 | 1 10½ | 1 6 |
| Lobelline | 11 6 28 0 | 1 11 4 8 | 1 5 3 4½ |
| lozenges | 12 0 | 2 0 | 1 6 |
| Loricide solution | 14 0 72 0 | 2 6 12 0 | 1 11½ 10 0 |
| Losall's asthma remedy | 12 0 | 2 0 | 1 8 |
| pills | 8 6 22 0 | 1 5 3 8 | 1 1½ 2 10 |
| salt | 9 3 18 6 | 1 6½ 3 1 | 1 3 2 6 |
| Losan Sel | 31 6 | 5 3 | 3 11 |
| L260 medicated snuff | 9 6 18 6 | nil 1 11 | 1 0 1 11 |
| Lubrone | 32 6 | nil | 3 3 |
| Lucozade | 10 0 | nil | 1 3 |
| Lutogyl ampoules | 18 0 65 3 144 0 | 3 0 nil nil | 2 6 7 3 16 0 |
| tablets | 274 6 74 3 157 6 | nil nil 6 17 | 30 6 8 3 17 6 |
| Lysantol | 14 0 112 6 | 2 4 18 9 | 1 11½ 14 1 |
| pastilles | 8 0 | 1 4 | 1 1½ |
| Lysoform | 8 0 16 0 180 0 | 1 4 2 8 30 0 | 1 1½ 2 3 25 0 |
| M | | | |
| Maclean (brand) powder | 18 0 45 0 | 3 0 7 6 | 2 3 5 7½ |

| Item | Trade price per doz. | Purchase tax per doz. | Inclusive retail price each |
|-----------------------------------|----------------------|-----------------------|-----------------------------|
| | s. d. | s. d. | s. d. |
| Maclean (brand) tablets | 4 8 | 0 9 $\frac{1}{2}$ | 0 7 |
| | 11 6 | 1 11 | 1 5 |
| | 18 0 | 3 0 | 2 3 |
| McClure's balsam | 8 6 | 1 5 | 1 6 |
| | 15 6 | 2 7 | 2 6 |
| catarrh syrup | 7 6 | 1 3 | 1 3 |
| ephedrine | | | |
| specific | 12 0 | 2 0 | 1 8 |
| | 20 0 | 3 4 | 2 10 |
| gripe mixture | 6 9 | 1 1 $\frac{1}{2}$ | 1 3 |
| Mackenzie's (Dr.) smelling bottle | 11 0 | 1 10 | 1 5 |
| | 13 0 | 2 2 | 1 9 |
| McKintol lotion | 8 6 | 5 7 | 2 0 |
| Maglactis | 16 2 | 2 8 | 2 2 |
| Magnesia cordial | 11 4 | 1 10 $\frac{3}{4}$ | 1 5 |
| | 27 0 | 4 6 | 3 4 $\frac{1}{2}$ |
| Magneslait | 40 0 | 6 8 | 5 7 |
| Magnocarbon tablets | 24 0 | 5 0 | 3 5 |
| Magnogene tablets | 33 9 | 5 6 | 4 3 |
| | 121 6 | 19 9 | 15 2 |
| Magnol | 12 0 | 2 0 | 1 8 |
| | 22 0 | 3 8 | 3 1 |
| Magnoleum | 11 0 | 1 9 | 1 5 |
| | 22 0 | 3 6 | 2 9 $\frac{1}{2}$ |
| Magsorbent— | | | |
| glucose granules | 14 0 | 2 4 | 1 9 |
| tablets | 12 0 | 2 0 | 1 6 |
| | 36 0 | 6 0 | 4 6 |
| -with-atropine tablets | 14 0 | 2 4 | 1 9 |
| | 36 0 | 6 0 | 4 6 |
| | 90 0 | 15 0 | 11 3 |
| powder | 14 0 | 2 4 | 1 9 |
| | 27 6 | 4 7 | 3 6 |
| | 79 6 | 13 3 | 10 0 |
| tablets | 21 3 | 3 6 $\frac{1}{2}$ | 2 8 |
| | 70 0 | 11 8 | 8 9 |
| | 136 0 | 22 8 | 17 0 |
| Magsyn tablets | 8 0 | 1 4 | 1 1 $\frac{1}{2}$ |
| | 24 0 | 4 0 | 3 4 |
| Magtriz | 18 0 | 3 0 | 2 6 |
| | 34 0 | 5 8 | 4 9 |
| Make-U-well herbs | 10 0 | 1 8 | 1 9 |
| Mandall's Red Bottle | 9 6 | 1 7 | 1 3 |
| Man Zan | 27 6 | 4 7 | 3 5 |
| Maraphos | 15 0 | 2 6 | 2 1 |
| | 26 0 | 4 4 | 3 6 |
| Marcol liquid | 24 0 | 4 0 | 2 10 |
| Maridel suppositories | 36 0 | 5 10 | 4 6 |
| Marmola tablets | 25 3 | 4 2 $\frac{1}{2}$ | 3 4 $\frac{1}{2}$ |
| Marshall's lysol | 8 0 | nil | 1 0 |
| | 24 0 | nil | 3 0 |
| | 114 0 | nil | 12 6 |
| ointment | 90 0 | 1 6 | 1 4 |
| Mascot inhalant | 9 0 | 1 6 | 1 1 $\frac{1}{2}$ |
| | 13 6 | 2 3 | 1 8 |
| Mathaplast dressing | 4 0 | nil | 0 6 |
| | 8 0 | nil | 1 0 |
| Matthews fuller's earth cream) | 4 6 | 1 6 | 0 7 $\frac{1}{2}$ |
| Mecca pastilles | 9 0 | 1 6 | 1 3 |
| Medibalm | 11 4 | 1 10 $\frac{3}{4}$ | 1 5 |
| | 27 0 | 4 6 | 3 4 $\frac{1}{2}$ |

| Item | Trade price per doz. | Purchase tax per doz. | Inclusive retail price each |
|--------------------|----------------------|-----------------------|-----------------------------|
| | s. d. | s. d. | s. d. |
| Medicose-D | 15 6 | 2 7 | 2 2 |
| Medilax | 11 4 | 1 10 $\frac{3}{4}$ | 1 1 |
| | 27 0 | 4 6 | 3 3 |
| Meduphites | 63 0 | 10 5 | 7 7 |
| | 103 6 | 17 1 | 12 1 |
| Meloden | 36 0 | 6 0 | 4 4 |
| | 66 0 | 11 0 | 8 0 |
| Mendaco | 18 0 | 3 0 | 2 2 |
| | 45 0 | 7 6 | 5 5 |
| | 90 0 | 15 0 | 11 0 |
| Menformon ampoules | | | |
| 100 u. | 27 0 | nil | 3 0 |
| | 95 0 | nil | 10 0 |
| | 360 0 | nil | 40 0 |
| 1,000 u. | 31 0 | nil | 3 3 |
| | 113 0 | nil | 12 1 |
| | 450 0 | nil | 50 0 |
| 10,000 u. | 49 0 | nil | 5 7 |
| | 180 0 | nil | 20 0 |
| | 720 0 | nil | 80 0 |
| ointment | 90 0 | nil | 10 0 |
| oral solution | 67 0 | nil | 7 7 |
| suppositories | | | |
| 1,000 u. | 22 0 | nil | 2 2 |
| | 101 0 | nil | 11 0 |
| 10,000 u. | 45 0 | nil | 5 5 |
| | 203 0 | nil | 22 0 |
| tablets | | | |
| 100 u. | 23 0 | nil | 2 2 |
| | 68 0 | nil | 7 7 |
| | 315 0 | nil | 35 0 |

Trade Price per doz.—The figure given in this column heading represents the price per doz. for one-dozen lots to chemists in retail business. Postage or carriage charges ignored and no account is taken of display or other bonuses or discounts.

Price List Corrections.—The following alterations should be made in the published figures:

Trade Price per doz.—P. 487, Adalin tablets, gr. 5, 36s., 132s. and 288s.; gr. 7 $\frac{1}{2}$, 25s. P. 488, Bengué's ethyl chloride, general, 40s. P. 490, Bioferol, 33s. 9d.; Bovinine, small 34s. P. 492, Celunox ointment, 12s. P. 516, Crookes' emulsion, 17s. 1d., 29s. 1d. and 158s. 2d.; Cycloform ointment, 24s. 9d. P. 517, Dermatol dusting powder, 22s. 9d.; powder, 40s. 6d. P. 518, Elityr tablets, 27s., 81s. and 180s. P. 541, F.C.V. 19s. 3d. and 34s. 2d.; Ferrofax capsules, 4s. and 85s. 6d. P. 564, Halycalcine, 72s. 8d. Harrogate health salts, concentrated, 32s.

Purchase Tax per doz.—P. 487, Adalin tablets, gr. 5, 6s., 21s. and 47s. P. 564, Harrogate health salts, concentrated, 5s. 4d.

Inclusive Retail Price each.—P. 487, Adalin tablets, gr. 5, 5s., 18s. 3d. and 39s. 11d. P. 518, Elityr tablets, 3s., 9s. and 20s. P. 564, Harrogate health salts, concentrated, 3s. 9d.

5, 1943

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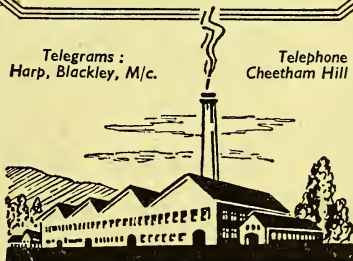
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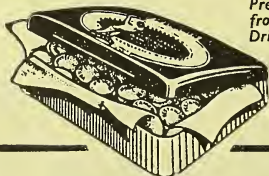
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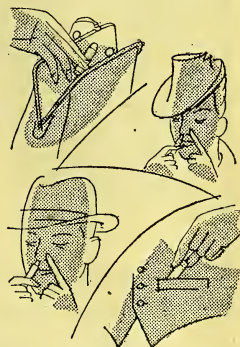
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The CHEMIST AND DRUGGIST

SUPPLEMENT

JUNE 5
1943

28 ESSEX STREET, LONDON, W.C.2

This Supplement is inserted in every copy of the Chemist & Druggist

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PATENTS

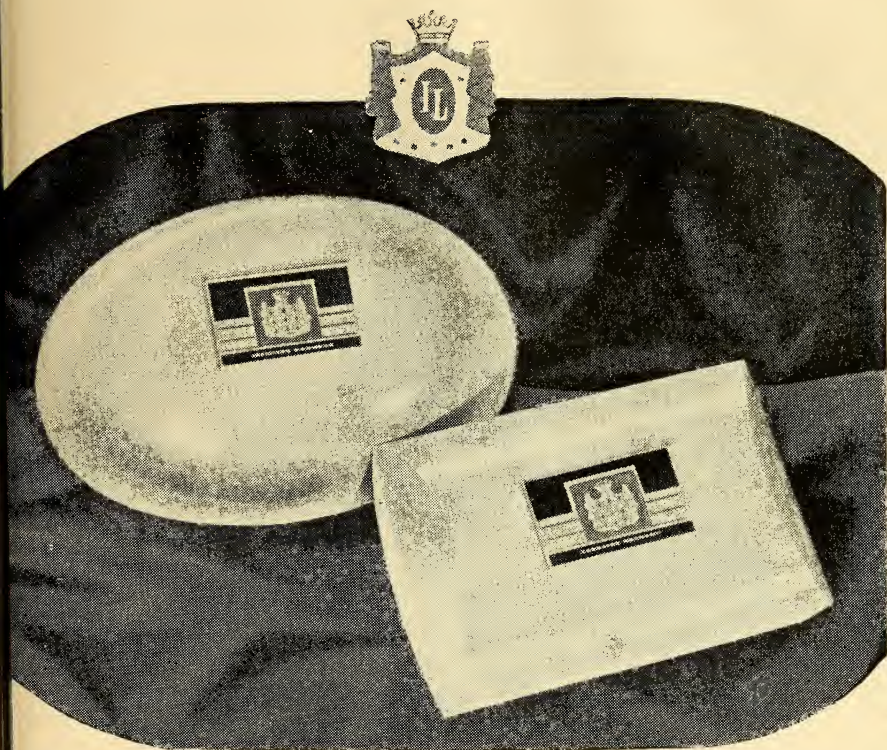
THE Proprietor of British Patent No. 461,347, dated August 8, 1935, relating to "Compound for Medical Compound," is desirous of entering into arrangements by way of a licence or otherwise reasonable terms for the purpose of exploiting the above patent and ensuring its practical working in Great Britain. Inquiries to Singer, Ehler, Stern, Carlberg, Steger Building, Chicago, Illinois.

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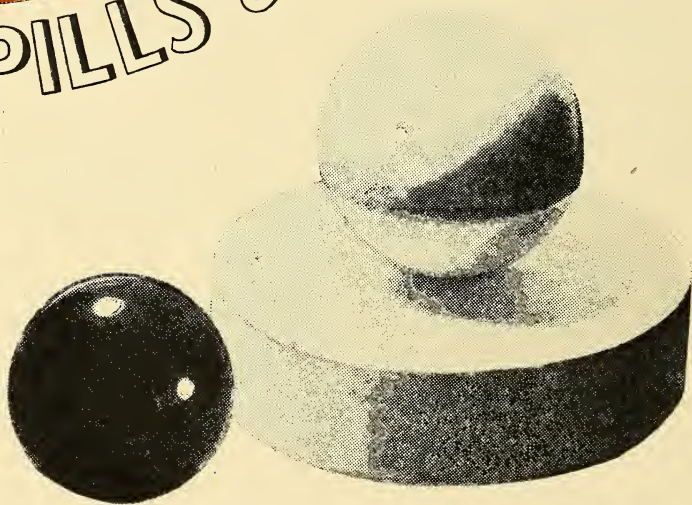
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